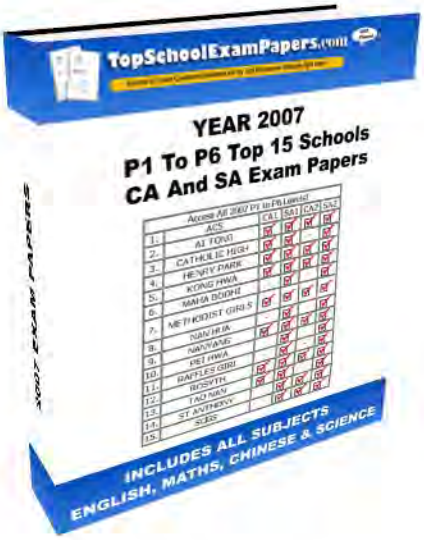

2007

PRIMARY 5 MATHS

1.	ACS (JUNIOR)	-	SA1	-	SA2
2.	AI TONG	-	SA1	-	SA2
3.	CHIJ ST NICHOLAS	-	SA1	-	SA2
4.	METHODIST GIRLS	-	SA1	-	SA2
5.	NAN HUA	CA1	SA1	CA2	SA2
6.	NANYANG	CA1	SA1	CA2	SA2
7.	RAFFLES GIRL	-	SA1	-	SA2
8.	ROSYTH	CA1	SA1	CA2	SA2
9.	SCGS	-	SA1	-	SA2
10.	TOA NAN	-	SA1	-	SA2

Total : 720 Pages

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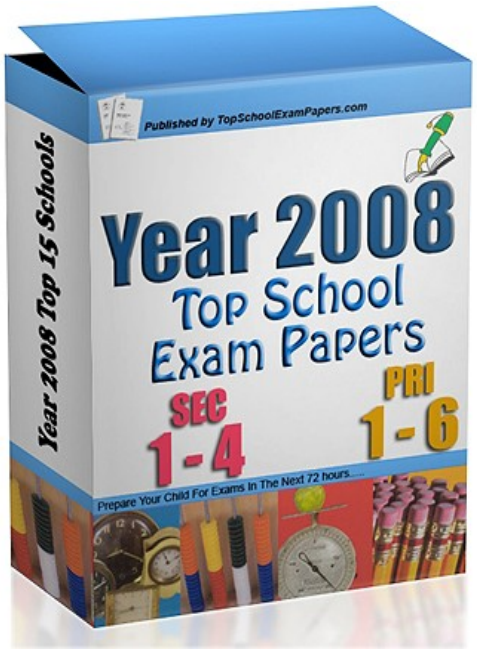

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NANYANG PRIMARY SCHOOL
FIRST CONTINUAL ASSESSMENT 2007
MATHEMATICS
PRIMARY FIVE

Name: _____ Marks : /100

Class: Primary 5 ( ) Parent's Signature:

Date: 2 March 2007 _____

Duration: 2 hours 15 minutes

Booklet A

Questions **1** to **10** carry 1 mark each. Questions **11** to **15** carry 2 marks each. For each question, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4). Shade the oval (1, 2, 3 or 4) on the Optical Answer Sheet.

(20 marks)

---

1 What is the value of the digit 2 in 653 290?

(1) 20

(2) 2

(3) 200

(4) 2000

2 How many hundreds are there in 8 159 700?

(1) 81 597

(2) 8159

(3) 700

(4) 7

3 Round off 197 538 to the nearest ten thousand.

(1) 190 000

(2) 197 000

(3) 198 000

(4) 200 000

4 Which of the following is the best estimate for 3459 × 6?

(1) 18 000

(2) 24 000

(3) 30 000

(4) 34 590

5 Find the value of 720 000 ÷ 400.

(1) 180

(2) 1800

(3) 18 000

(4) 180 000

6 Bala bought a vase and a clock for $84. The clock cost 3 times as much as the vase. How much **more** did Bala pay for the clock than the vase?

(1) $21

(2) $28

(3) $42

(4) $63

7 58 × 40 is the same as _____.

(1) 50 × 8 × 4

(2) 58 × 4 × 10

(3) 5 × 8 × 4 ×10

(4) 50 × 8 × 4 × 10

8 $2176 \div 32 = _____ \times 4$

(1) 17

(2) 68

(3) 272

(4) 544

9 Add $2\frac{3}{5}$ to $4\frac{1}{6}$.

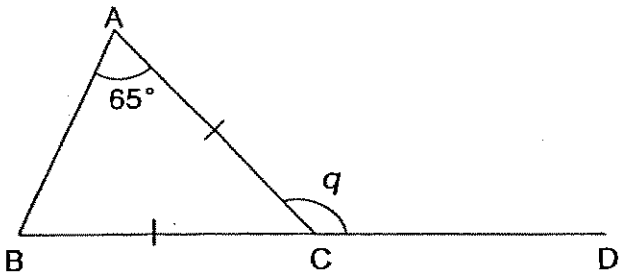
(1) $6\frac{4}{11}$

(2) $6\frac{4}{30}$

(3) $6\frac{23}{30}$

(4) $6\frac{14}{30}$

10 The figure below is not drawn to scale. BCD is a straight line. Find $\angle q$.



(1) 50°

(2) 65°

(3) 115°

(4) 130°

11 What is the value of 60 - (4 + 16) ÷ 4 × 2?

(1) 5

(2) 20

(3) 50

(4) 110

12 What is the missing number in the box?

$$\frac{4}{5} \times 8 = \frac{4}{5} + \frac{2}{5} \times \square + \frac{4}{5} + \frac{4}{5}$$

(1) 5

(2) 2

(3) 10

(4) 20

13 Meilin, Janet and Sheeba were doing their project work. Meilin spent $\frac{2}{3}$ h. Janet spent $\frac{5}{6}$ h more than Meilin. Sheeba spent $\frac{9}{10}$ h more than the time taken by Meilin and Janet. How much time did Sheeba spend on her project work?

(1) $\frac{29}{30}$ h

(2) $1\frac{1}{2}$ h

(3) $2\frac{2}{5}$ h

(4) $3\frac{1}{15}$ h

14 Mrs Maniam used 26.25 litres of petrol in the first week. She used 3764 ml less petrol in the second week. How much petrol did she use altogether?

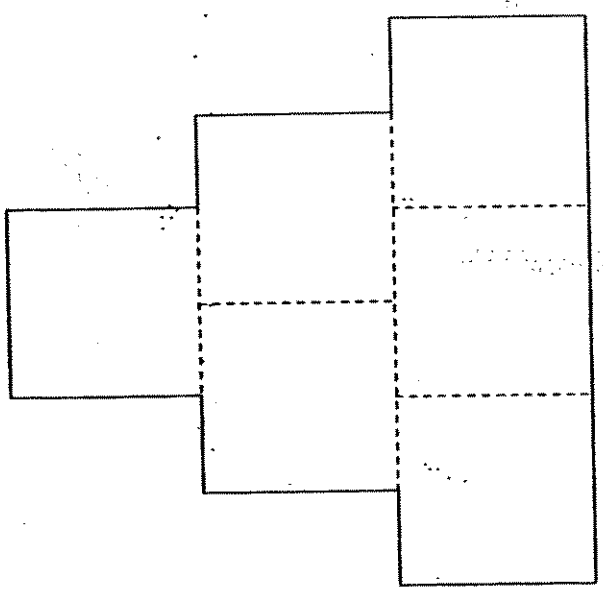
(1) 22.486 litres

(2) 30.014 litres

(3) 37.64 litres

(4) 48.736 litres

15 The figure is made up of ~~five~~ six identical squares each of side 2 cm. What is the perimeter of the figure?



(1) 22 cm

(2) 24 cm

(3) 28 cm

(4) 40 cm

Name: _____) Class: Pr 5 ( )

P5 CA1 2007

Booklet B

Questions **16** to **25** carry 1 mark each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

(10 marks)

---

16 The digit 6 in the number 206 748 is in the _____ place.

Ans: _____

---

17 Find the value of 3200 × 250.

Ans: _____

---

18 Find the value of 825 000 ÷ 500.

Ans: _____

---

19 What is the value of $72 \div 6 - 4 \times 3$?

Ans: _____

---

20 Find the value of $\frac{4}{9} \times 36$.

Ans: _____

---

21 How many right angles are there in $1\frac{3}{4}$ turns?

Ans: _____

---

22 Express 10.05 km in metres.

Ans: _____m

---

23 Express 8 months as a fraction of $2\frac{1}{2}$ years.

Ans: _____

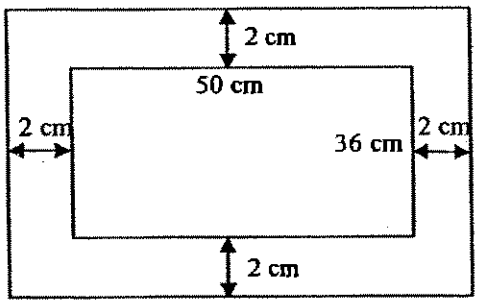
---

24 A farmer put stakes along the sides of his rectangular plot of land measuring 65 m by 50 m. The stakes were placed 5 m apart. How many stakes did he use?

Ans: _____

---

25 Gary wanted to mount his picture measuring 50 cm by 36 cm, on a cardboard. He wanted to leave a border of 2 cm around his picture. What was the area of the cardboard?



Ans: _____ cm^2

Questions **26** to **35** carry 2 marks each. Show your working clearly in the space below each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

(20 marks)

26 Complete the number pattern.

998 965, _____, 1 198 985, 1 298 995, _____.

Ans: _____, _____

27 What is the value of $360 \div (20 + 10 \times 2) + 56 \div 7$?

Ans: _____

28 Rosie has 5 times as many stickers as Li May. How many stickers must Rosie give Li May so that each of them will have 84 stamps?

stickers

Ans: _____

29 A basket filled with apples had a mass of 2350 g. After $\frac{3}{5}$ of the apples were taken away, the mass of the basket of remaining apples was 1360 g. Find the mass of the empty basket.

Ans: _____ g

---

30 There were 136 people at a Christmas party. $\frac{1}{4}$ of them were women and $\frac{5}{6}$ of the remainder were children. How many men were at the party?

Ans: _____

---

31 Ghani has a piece of rectangular coloured paper measuring 31 cm by 25 cm. He wants to cut some squares each of side 3 cm. Find the maximum number of squares that can be cut out from the coloured paper.

Ans: _____

---

32 The mass of Shanti is $38\frac{1}{2}$ kg. She is $3\frac{1}{8}$ kg lighter than Michelle and $2\frac{3}{4}$ kg heavier than Bakar. What is the total mass of Michelle and Bakar?

Ans: _____ kg

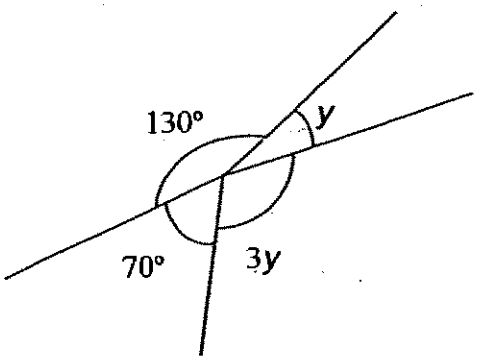
---

33 $\frac{3}{8}$ of a box of balls are red, $\frac{3}{10}$ of them are green and the rest are black. If there are 36 green balls, how many black balls are there?

Ans: _____

---

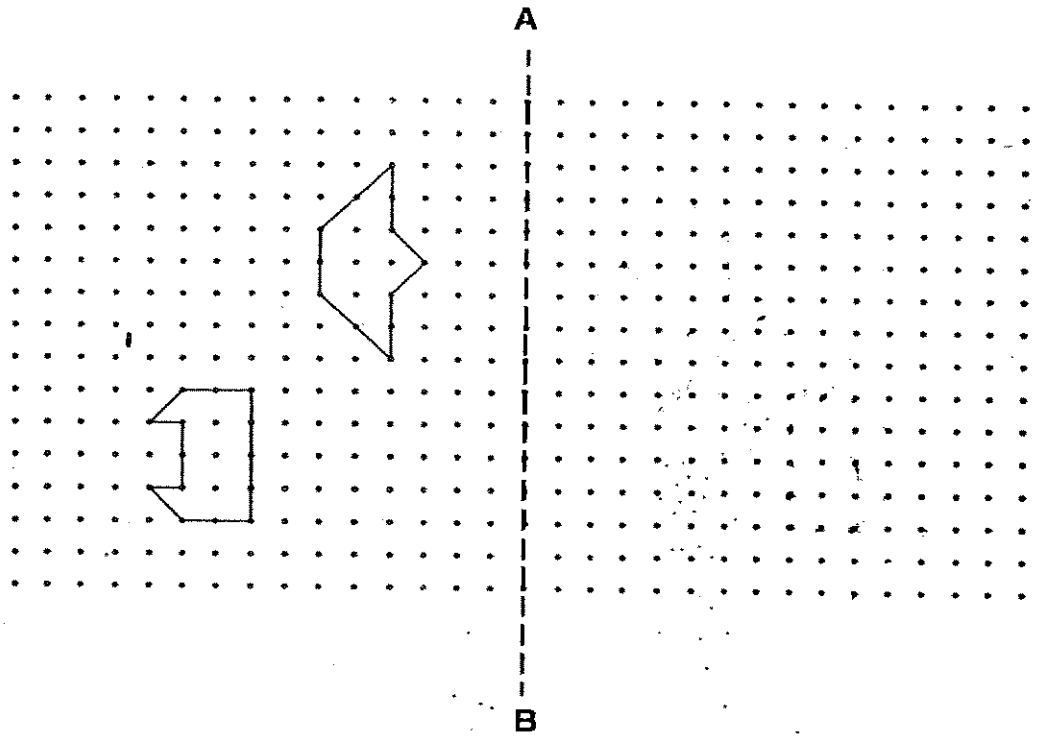
34 Find $\angle y$.



Ans: _____ °

---

35 Complete the figure below so that the dotted line AB is the line of symmetry.



Name: _____( ) Class: Pr 5 ( )

P5 CA1 2007

For questions **36** to **48**, show your working clearly in the space provided for each question and write your answers in the spaces provided.
The number of marks available is shown in brackets [ ] at the end of each question or part-question.

(50 marks)

---

36 Mr Ahmad earns $10 985 a month. He spends $3067 and saves the rest. How much will he save in half a year? Give your answer to the nearest thousand dollars.

Ans: _____ [3]

---

37 The distance between Town Q and Town R is 2935 km. The distance from Town R to Town S is 1.6 km longer than the distance between Town Q and Town R. What is the distance between Town Q and Town S? (Give your answer in km.)

Ans: _____ [3]

---

38 6 DVDs and 5 VCDs cost $218. 2 DVDs and 4 VCDs cost $110. What is the cost of 13 VCDs?

Ans: _____ [3]

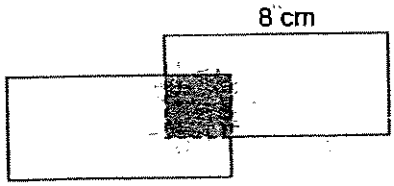
---

39 Mrs Tan had four times as much money as her brother. After Mrs Tan gave $200 000 to her brother, she had thrice as much money as her brother. How much money did she have at first?

Ans: _____ [3]

---

40 The figure is made up of two identical rectangles overlapping each other. The overlapped area is a square with an area of 9 cm^2. The length of the rectangle is 8 cm and it is twice as long as its breadth.



(a) Find the perimeter of the figure.
(b) Find the area of the figure.

Ans: (a) _____ [1]

(b) _____ [2]

---

41 Thrice a number is greater than $\frac{3}{5}$ of the number by 36. What is the number?

Ans: _____ [3]

---

42 Ali and Tom get the same amount of pocket money. Each week, Tom spends $23 and Ali spends $3 more than Tom. When Tom saves $63, Ali saves $36. How much pocket money does Tom get each week?

Ans: _____ **[4]**

43 Mrs Rajam wants to give some balloons to her guests. If she gives 4 balloons to each of her guests, she will have 2 balloons left. If she gives 5 balloons to each of her guests, she will be short of 5 balloons.

(a) How many guests are there?

(b) How many balloons does Mrs Rajam have?

Ans: (a) _____ [2]

(b) _____ [2]

44 Rahim wanted to fill 2 tanks with water. The first tank was filled at a rate of 30 litres per minute for one minute before the tap for the second tank was turned on. The second tank was filled at a rate of 35 litres per minute. How long will it take for both tanks to have the same amount of water?

Ans: _____ [4]

45 Mrs Leo bought 5 kg of cherries and 11 kg of mangoes.
200 g of cherries cost $3.20. She paid $151.50 for the fruits.
How much would half a kilogram of each type of fruit cost in total?

Ans: _____ [5]

46 Yuhong, Alison and Siti shared a sum of money. Yuhong had $\frac{3}{4}$ of what Siti had and Siti had $\frac{2}{3}$ of what Alison had.

(a) If Alison had \$36, how much did Yuhong have?

(b) If Yuhong spent $\frac{1}{9}$ of her money, how much did she have left?

Ans: (a) _____ [3]

(b) _____ [2]

47 Min Xin spent 5 h revising English, Maths, Chinese and Science. She spent $\frac{1}{3}$ of her time on Chinese, $1\frac{1}{4}$ h on Maths and $\frac{2}{5}$ of the remaining time on English. The rest of her time was spent on Science.

(a) How much time did she spend revising Chinese?
(Give your answer in hours and minutes.)

(b) How much time did she spend revising Science?
(Give your answer in hours and minutes.)

Ans: (a) _____ [2]

(b) _____ [3]

48 For every bag that David sells, he earns a commission of $5. A bonus of $30 is given to him for every 10 bags that he sells. How many bags must he sell to earn $600?

Ans: _____ [5]

END OF PAPER

Setters:
Mrs Nancy Lum
Mdm Oh Seow Wei

ANSWER SHEET

NANYANG PRIMARY SCHOOL - PRIMARY 5 MATHEMATICE 2007
CONTINUAL ASSESSMENT (1)

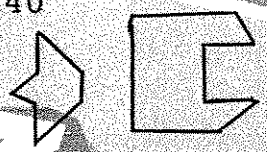
1. 3
2. 2
3. 4
4. 3
5. 2
6. 3
7. 2
8. 4
9. 3
10. 4
11. 1
12. 1
13. 4
14. 4
15. 2
16. thousands
17. 800000
18. 1650
19. 0
20. 16
21. 7
22. 10050m
23. 4/15
24. 46
25. 2160cm2
26. 1098975,1399005
27. 17
28. 56 stickers
29. 700g
30. 17 men
31. 80

32) $77\frac{3}{8}$

33) 39

34) 40°

35)



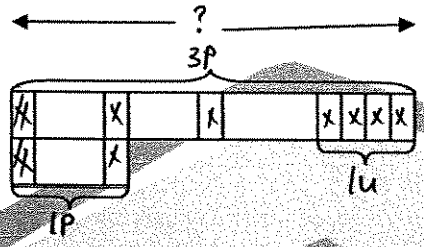
36) $10985-$3067=$7918
$7918x6=$47508
≈$48000

37)

2935+1.6=2936.6
2936.6+2935=5871.6km

38) 6 DVD+ 5 VVD=$218
2 DVD+ 4 VVD=$110
6 DVD+ 12VCD=$110X3=$330
12 VCD-5 VCD=$330-$218
7 VCD=$112
1 VCD=$112÷7=$16
13 VCD=13X$16=$208

39)



1u=$200000x4=$800000
4u=4x$800000
=$3200000

40)a)8÷2=4
9 = 3
8-3=5
8+4+5+1+8+4+5+1=36cm
b)8x4x2=64
64-9=55cm2

41)3u→3/5u=36
$2\frac{2}{5}u=36$
$U=36\div 2\frac{2}{5}=36/1x5/12$
=15

42)$63-$36=$27
$27÷$3=9 weeks
$63÷9=$7
$23+$#7=$30

43)

No.of guests	1	2	3	4	5	6	7
Multiples of 4 plus 2	6	10	14	18	22	26	30
Multiples of 5 less 5	0	5	10	15	20	25	30

a)There are 7 guests
b)She has 30 balloons.

44)

Time	1	2	3	4	5	6	7
1st	30	60	90	120	150	180	210
2nd tank		35	70	105	140	175	210

It will take 7 minutes

45) 5000÷200=25
25x$3.20=$80
$151.50-$80=$71.50
½ kg of cherries=$80÷10=$8
½ kg of mangoes=$71.50÷22=$3.25
Total =$8+$3.25=$11.25

46) a) 6u=$36
1u=$36÷6=$6
3u=3x$6=$18
Yuhong had $18
b) 1-1/9=8/9
8/9x$18=$16
She had $16 left.

47) a) 1/3x5h=1h 40 mins
b) 5h-1h40min-1h15min=2h5min
1-2/5=3/5
3/5x2h5min=3/5x125min
=75min
=1h 15 min.

48) 10x$5=$50
$50+$30=$80
600÷80=7R40
7x10=70 bags
40÷5=8 bags
70+8=78 bags.

NAN HUA PRIMARY SCHOOL
CONTINUAL ASSESSMENT 1 – 2007
MATHEMATICS
PRIMARY 5

BOOKLET A

15 Questions

20 marks

Total Time for Booklet A & B: 2 h 15 min

INSTRUCTIONS TO CANDIDATES

DO NOT OPEN THE BOOKLET UNTIL YOU ARE TOLD TO DO SO.
FOLLOW ALL INSTRUCTIONS CAREFULLY.

ANSWER ALL QUESTIONS

Section	Maximum Marks	Actual Marks
A	20	
B + C	80	
Total	100	

Name: _____ ( )

Class: Pr 5 _____

Date: 27 February 2007

Parent's Signature: _____

Booklet A

SECTION A (20 marks)
Questions 1 to 10 carry 1 mark each.
Questions 11 to 15 carry 2 marks each.
For each question, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4). Shade the correct oval on the Optical Answer Sheet (OAS).

1. Write four million, nineteen thousand and three in numerals.

(1) 4 001 903
(2) 4 019 003
(3) 4 090 003
(4) 4 190 003 ( )

2. The digit '5' in 8 659 911 has a value of _____.

(1) 5 × 100
(2) 5 × 1 000
(3) 5 × 10 000
(4) 5 × 100 000 ( )

3. A number is 310 000 when rounded off to the nearest thousand.
Which of the following **cannot** be the number?

(1) 309 590
(2) 309 940
(3) 310 410
(4) 310 980 ( )

4. 850 000 ÷ 100 = 85 x ☐

What is the missing number in the box ?

(1) 10
(2) 100
(3) 1 000
(4) 10 000 ( )

5. The number of members in a school's Mathematics Club is shown in the table below.

Levels	Boys	Girls
Primary 4	32	28
Primary 5	44	47
Primary 6	19	14

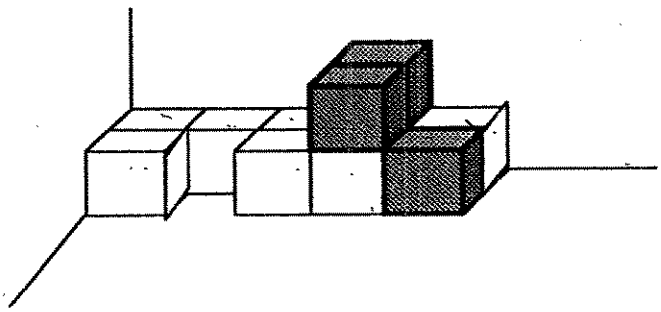
What is the total number of girls in the Mathematics Club when rounded off to the nearest ten?

(1) 80
(2) 90
(3) 100
(4) 180

6. How many eighths are there in $3\frac{1}{4}$?

(1) 26
(2) 13
(3) 8
(4) 4 ( )

7. The solid shown is made up of 1-cm cubes. What will be the volume of the solid if the **three shaded** cubes are **removed**?



(1) 6 cm^3
(2) 8 cm^3
(3) 9 cm^3
(4) 11 cm^3 ( )

8. Which of the following is smaller than $\frac{2}{3}$?

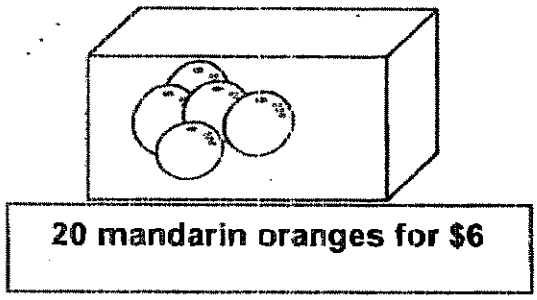
(1) $\frac{4}{7}$

(2) $\frac{7}{9}$

(3) $\frac{8}{11}$

(4) $\frac{11}{12}$

9. At a fruit stall, mandarin oranges are sold at the fixed price as shown below. How many mandarin oranges can you buy with \$15 ?

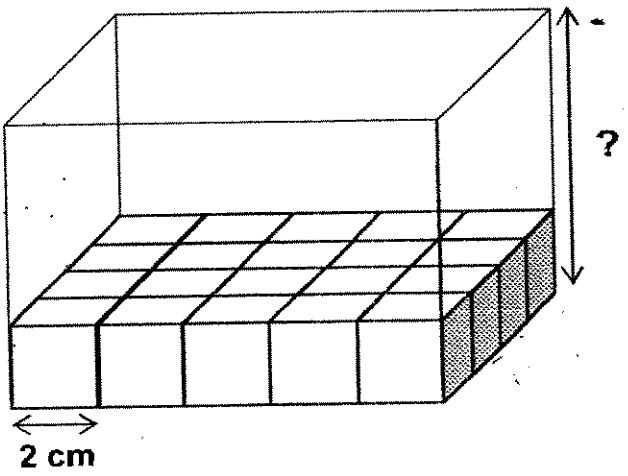


(1) 30
(2) 40
(3) 50
(4) 60

10. Express $2\frac{2}{5}$ km in m.

(1) 240 m
(2) 2 400 m
(3) 24 000 m
(4) 240 000 m

11. The volume of the container shown below is 640 cm^3.
Twenty 2-cm cubes can be fitted at the base of the container.
What is the height of the container?



(1) 32 cm
(2) 16 cm
(3) 8 cm
(4) 4 cm

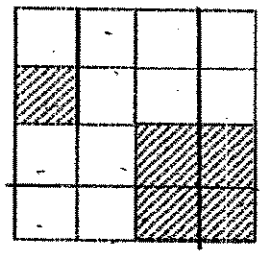
( )

12. There are five times as many men as women in a ballroom.
How many adults are there in the ballroom if there are 80 women ?

(1) 85
(2) 320
(3) 400
(4) 480

( )

13. What fraction of the following figure is shaded ?



(1) $\frac{1}{4}$
(2) $\frac{1}{2}$
(3) $\frac{5}{16}$
(4) $\frac{11}{16}$

14. Den had \$45 more than Ellen. Freddy had \$57 less than Ellen. If they had \$495 altogether, how much did Freddy have ?

(1) \$108
(2) \$112
(3) \$131
(4) \$393

15. A 12-cm metal cube is melted and recast into a cuboid with length 9 cm and breadth 6 cm. What is the height of the new cuboid?

(1) 32 cm
(2) 24 cm
(3) 3 cm
(4) 18 cm

Booklet B

Nan Hua Primary School
Mathematics – Continual Assessment 1

Name: _____ ( ) Class: Primary 5 ___

Section B:
Mental Sums (5 marks)

Questions 16 to 20 carry 1 mark each.
Listen carefully and think fast.
Then write down your answers in the blanks provided.

16) _____

17) _____

18) _____ _____

19) _____ marbles

20) _____ cm^3

Section C: (25 marks)

Questions 21 to 25 carry 1 mark each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (5 marks)

21. 569 304 = 500 000 + _____ + 9 000 + 4

What is the missing number in the blank ?

_____

22. Find the value of $2\frac{2}{3} + \frac{1}{4}$

_____

23. Find the sum of all the factors of 6.

_____

24. Find the value of (34 + 6) ÷ 4 × 2.

_____

25. The area of a rectangle is 264 cm^2. Its length is 24 cm.
What is its breadth?

_____ cm

Questions 26 to 35 carry 2 marks each. Show your workings clearly in the space below each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (20 marks)

26. 16 potted plants are planted in a row. The distance between every pair of potted plants is 85 cm. What is the distance between the first and the last plant?

_____ cm

27. What is the sum of all the **odd numbers** which are less than 20 ?

_____

28. A creeper can grow to a length of 1 024 cm in 10 days by doubling its length every day. How many days does it take to grow to a length of 128 cm?

_____ days

29. Jeremy paid $60 for 3 toy aeroplanes and 6 toy cars. If a toy aeroplane cost 3 times as much as a toy car, how much was 1 toy car ?

$_____

30. Alice wanted to buy a drink at a vending machine which only accepts 10-cent, 20-cent and 50-cent coins. Each canned drink cost $1.40. Alice had 4 coins and realized that she needed 20¢ more. How many 50-cent coins did Alice have?

_____ 50-cent coins

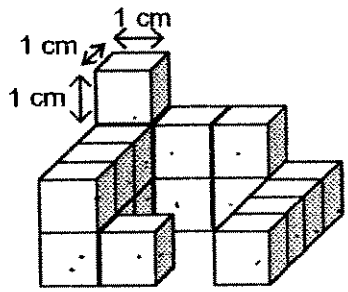
31. What is the **quotient** when 7 504 is divided by 72 ?

_____

32. $2\frac{1}{3}$ kg of flour is needed to bake a big birthday cake. Mrs Lim had $\frac{7}{8}$ kg of flour left from her last baking session. If flour is sold in packets of $\frac{1}{2}$ kg, how many packets of flour does Mrs Lim need to buy?

_____ packets

33. What is the volume of the solid figure shown below?



_____ cm^3

34. After selling $4\frac{4}{5}$ kg of salt, a shopkeeper had $4\frac{1}{2}$ kg of salt left. How much salt did he have at first ?

_____ kg

35. Ten 4-cm cubes are used to make a certain solid. If 2-cm cubes are used instead, how many 2-cm cubes will be used?

_____ 2-cm cubes

41

Section D: (50 marks)

Do the following sums carefully. All statements and workings must be clearly shown. All units must be clearly stated. Write your answers in the spaces provided.

36. When Peter is 10 years old, his father is 4 times as old as he. How old will Peter be when his father is 3 times as old as he?

_____ [3m]

37. Adam and Ben received an equal amount of money. Adam spent $27 and Ben spent twice as much as Adam. At the end of the day, Adam's remainder was twice as much as that of Ben's. How much did each boy get at first?

42

_____ [3m]

38. John was given $\frac{1}{2}$ h to solve 3 puzzles. He solved the first puzzle in $\frac{1}{4}$ h and the second puzzle in $\frac{1}{6}$ h.

(a) How much time did John use for the first two puzzles?
(b) How much time had he left for the third puzzle?

(a) _____ [2m]

(b) _____ [1m]

39. At a party, Adrian ate $\frac{1}{3}$ of a pizza. Bernice and Clarice ate $\frac{1}{4}$ of a pizza each. David ate $\frac{7}{8}$ of a pizza. At the end of the party, one whole pizza and a fraction of another pizza was left. How many pizzas were bought for the party?

_____ [3m]

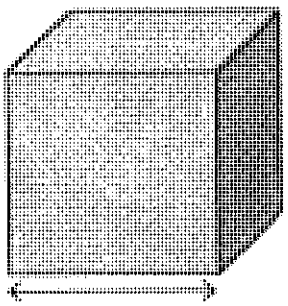
40. Mark has 3 times as much money as John. David has 4 times as much money as John. If Mark and David have $1 050 altogether, how much **more money** does David have than John ?

_____ [3m]

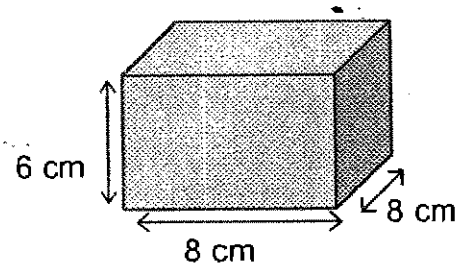
41. Kristen put 458 books on 3 shelves. There were 124 books on the first shelf. There were 32 more books on the second shelf than on the first shelf. How many books were on the third shelf ?

_____ [3m] 44

42. Look at cube A and cuboid B as shown below.
What is the difference in volume between the two solids?
(The figures are not drawn to scale.)



Cube A



Cuboid B

_____ 4m]

45

43. Lily bought 36 packets of sweets. Each packet had 6 sweets.
She ate 20 sweets and gave 2 packets to her sister. She then repacked the remaining sweets equally into 8 packets. How many sweets were there in each of the new packets ?

_____ [4m]

44. 78 children attended a fun-fair. At the entrance, each boy was given 3 blue balls and each girl was given 2 red balls. If 204 balls were given out in total,

(a) How many boys were there?

(b) How many girls were there?

(a) _____

(b) _____

[Marks: 4m] 47

45. A ~~life~~ lift alarm triggers when the load of the lift exceeds 650 kg. Mr Ahmad wants to move some tiles to the fifth floor. His mass is 64 kg and each box of tiles is 21 kg. What is the **largest** number of boxes of tiles that he can carry into the lift without triggering the alarm?

[5m]

46. There are some ducks and cows in a farm.
Altogether, there are 20 heads and 56 legs.
How many ducks and how many cows are there ?

Ducks: _____

Cows: _____

[Marks: 5m]

49

47. Three girls, Alice, Betty and Candy, had 288 badges altogether. Alice gave some of her badges to Betty and Betty's badges were doubled. Then Betty gave some of her badges to Candy and Candy's badges were doubled. As a result, the 3 girls had an equal number of badges each. How many badges did each girl have at first ?

Alice: _____

Betty: _____

Candy: _____

50

[Marks: 5m]

48. At the Seaworld, two adults and 3 children have to pay $25 for admission tickets. Two adults and 10 children have to pay $46 for admission tickets.

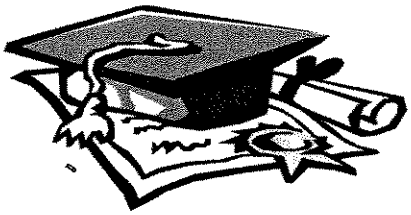
(a) What is the price of a child's ticket?

(b) What is the total admission charges for ⑤ adults?

(a) _____ [3m]

(b) _____ [2m]

End of Paper
Please Check Your Work !



ANSWER SHEET

NAN HUA PRIMARY SCHOOL - PRIMARY 5 MATHEMATICS 2007
CONTINUAL ASSESSMENT (1)

1. 2
2. 3
3. 4
4. 2
5. 2
6. 1
7. 2
8. 1
9. 2
10. 2
11. 3
12. 4
13. 3
14. 2
15. 1
16. 8100
17. 21
18. 5/6
19. 90
20. 27cm3
21. 60300
22. $2\frac{11}{12}$
23. 12
24. 20
25. 11cm
26. 1275cm
27. 100
28. 7 day
29. $4
30. 2

31) 104

32) 3 packets

33) 18cm3

34) $9\frac{3}{10}$

35) 80

36) Father older than him by→10x3=30
2 units→30
1 unit→30÷2=15
Peter will be 15 years old.

37) Adam spent→$27
Ben spent→$27x2=$54
1 unit→$54-$27=$27
Each boy's money at first→$27x3=$81
Each boy got $81 at first.

38) a) ¼ h+1/6h=6/24h+4/24h=10/24h=5/12h
John used 5/12h for the first two puzzles.
b) ½ h-5/12h=6/12h-5/12h=1/12h
He had 1/12h left for the third puzzle.

39) 3 pizzas.

40) J
M
D
$1050
?
7 units→$1050
1 unit →$1050÷7=$150
More by→$150x3=$450
David has $450 more money than John.

41) first shelf→124
Second shelf→124+32=156
Third shelf→458-(124+156)=178
There are 178 books on the third shelf.

42) Volume of cube A→8cmx8cmx8cm=512cm3
Volume of cube B→8cmx8cmx6cm=384cm3
Difference →512cm3-384cm3=128cm3
The difference is 128cm3

43) number of sweets→36x6=216
216-20=196
Sweets given→2x6=12
196-12=184
Each packet→184÷8=23
There were 23 sweets in each new packet.

44) a) There were 48 boys.
b) There were 30 girls.

45) 650kg-64kg=586kg
586kg÷21kg=27 R 19→(1kg)
The largest number of boxes is 27.

46) There are 12 ducks and 8 cows.

47) 3 units → 288
1 unit → 288 ÷ 3 = 96
C → 96 ÷ 2 = 48
B (after) → 48 + 96 = 144
B (before) → 144 ÷ 2 = 72
A (before) → 96 + 72 = 168

Alice: 168 badges
Betty: 72 badges
Candy: 48 badges

48) a) 7 children's ticket → $46 - $25 = $21
Each ticket (children) → $21 ÷ 7 = $3
The price is $3

b) 3 children → $3 x 3 = $9
2 adults → $25 - $9 = $16
1 adults → $16 ÷ 2 = $8
5 adults → $8 x 5 = $40
The total admission charge is $40.

Rosyth School
First Continual Assessment 2007
Mathematics
Primary 5

100

Name: _____

Class: Pr 5-_____ Register No. _____ Duration: 2 h 15 min

Date: 27 February 2007 Parent's Signature: _____

Instructions to Pupils:

1. Do not open this booklet until you are told to do so.
2. Follow all instructions carefully.
3. This paper consists of 3 parts, Sections A, B and C.
4. For questions 1 to 15 in Section A, shade the correct ovals on the Optical Answer Sheet (OAS).

	Maximum	Marks Obtained
Section A	30	
Section B	30	
Section C	40	
Total	100	

* This paper consists of **19** pages altogether.

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Section A

Question 1 to 15 carries 2 marks each. For each question, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 and 4). Shade the correct answer on the OAS (Optical Answer Sheet). (30 marks)

---

1) Round off 408 912 to the nearest thousand.

(1) 400 000

(2) 408 000

(3) 408 900

(4) 409 000

2) In the number 806 271, what does the digit 6 stand for?

(1) 600

(2) 6000

(3) 60 000

(4) 600 000

3) Find the value of 180×50.

(1) 90

(2) 900

(3) 9000

(4) 90 000

4) Find the value of $18 + 8 \div 2 \times 4$.

(1) 19

(2) 34

(3) 52

(4) 88

5) Find the value in the box.

53 hundreds + 9 tens = ☐ tens

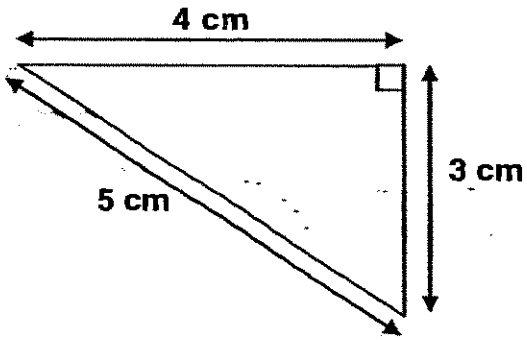
(1) 62

(2) 539

(3) 620

(4) 5 390

6) Find the area of the triangle shown below.



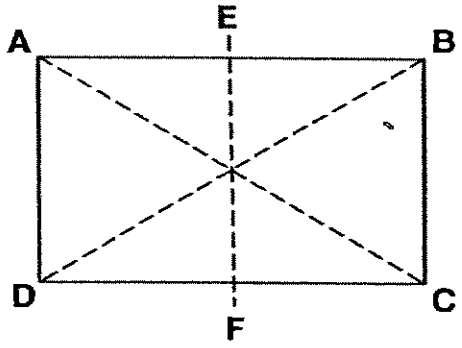
(1) 6 cm^2

(2) 12 cm^2

(3) 15 cm^2

(4) 20 cm^2

7) Identify the line(s) of symmetry for the rectangle below.



(1) EF

(2) BD

(3) AC

(4) All of the above are lines of symmetry for the rectangle.

8) Find the value of 6 340 000 ÷ 100.

(1) 634

(2) 6340

(3) 63 400

(4) 634 000

9) What is the value of $(7 + 7) \times 4 + 5$?

(1) 40

(2) 61

(3) 126

(4) 201

10) 24 children shared a box of toy cars. After each child had taken 15 toy cars, there were 8 toy cars left. How many toy cars were in the box at first?

(1) 207

(2) 352

(3) 360

(4) 368

11) An office assistant bought a colour printer and 12 ink cartridges for $624. The cost of the colour printer is the same as the total cost of the 12 ink cartridges. What is the cost of each ink cartridge?

(1) $24

(2) $26

(3) $48

(4) $52

12) $28 \times 3 + 36 \square 3 = 96$

What is the missing sign in the box?

(1) ÷

(2) ×

(3) −

(4) +

13) When a number is divided by 5, the quotient is 6. What is the quotient when the same number is divided by 30?

(1) 1

(2) 10

(3) 100

(4) 1000

14) Rachel and Gordon have $100. Rachel and Ryan have $180. Ryan has 3 times as much money as Gordon. How much money does Rachel have?

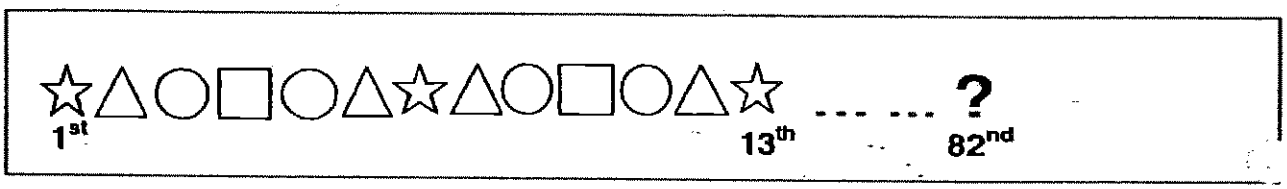
(1) $40

(2) $60

(3) $80

(4) $120

15) Joshua used four different shapes to make a pattern. The first 13 stickers are shown below. What was the shape of the 82nd sticker?



(1) ☆

(2) △

(3) ○

(4) □

Section B

Questions **16** to **25** carry **1** mark each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (10 marks)

16) What is eight million, five hundred thousand and forty in numerals?

Ans: _____

17) 500 000 = _____ thousands

Ans: _____

18) Round off 369 999 to the nearest hundred.

Ans: _____

19) What number is 100 000 less than 3 059 800?

Ans: _____

20) What is the missing number in the box?

$$400 \times 367 - \square = 367 \times 399$$

Ans: _____

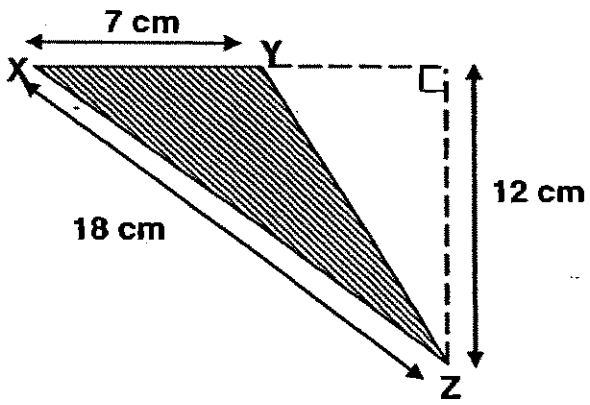
21) What is the product of 206 and 50?

Ans: _____

22) Estimate the sum of 5 892 and 8 400 by **first** rounding off the numbers to the nearest thousand.

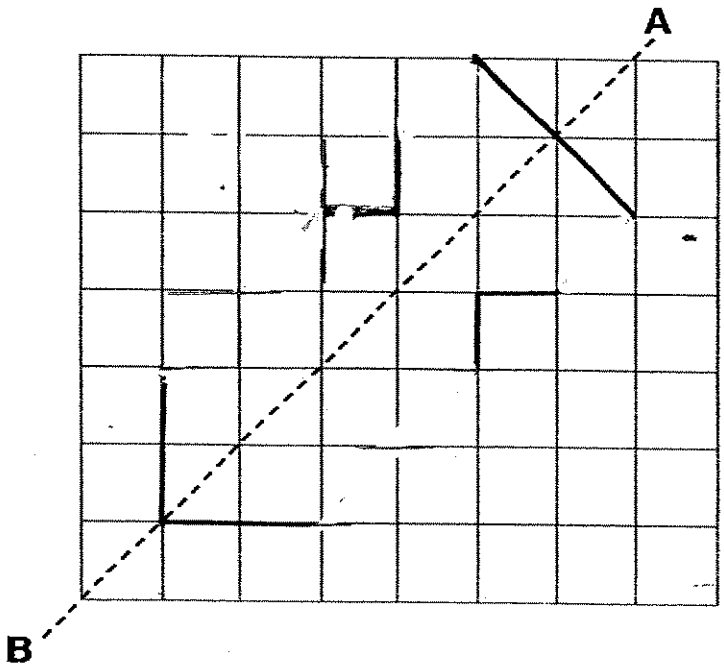
Ans: _____

23) Find the area of triangle XYZ.

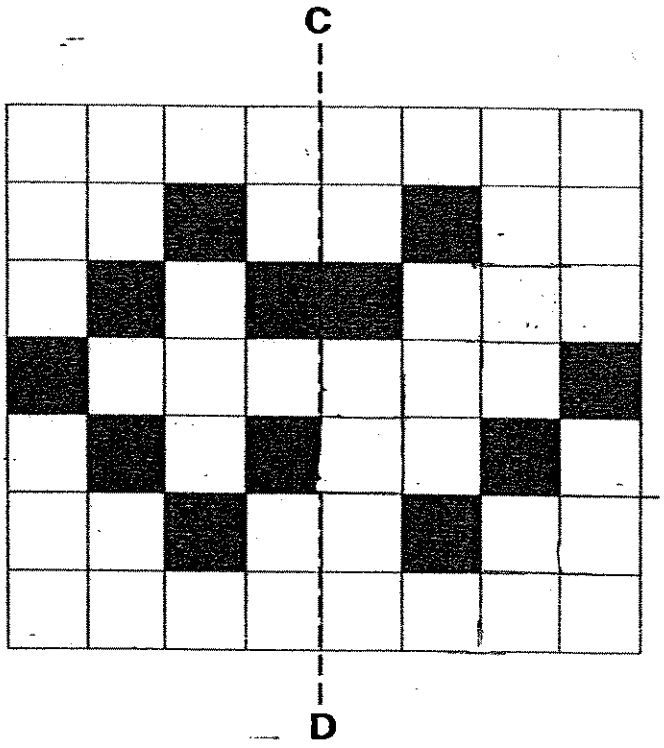


Ans: _____ cm^2

24) Complete the figure below so that the dotted line AB is the line of symmetry.

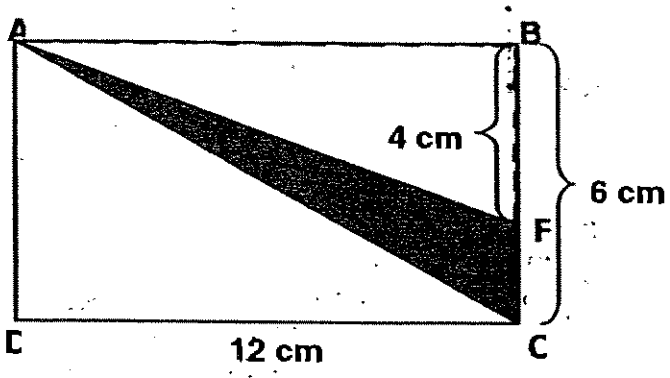


25) Shade two more squares to complete the figure which has the dotted line CD as a line of symmetry.



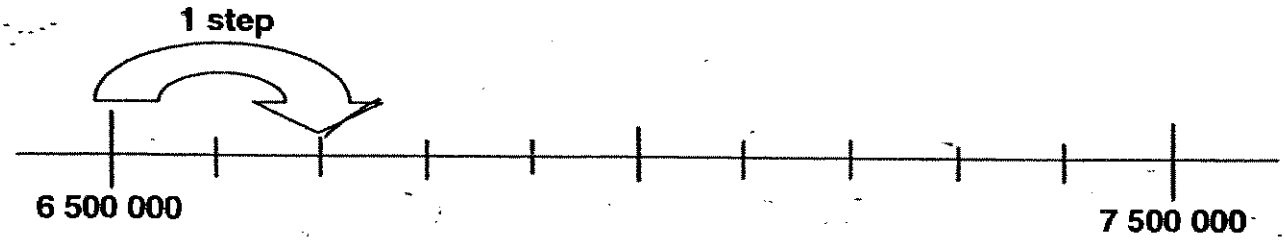
Questions **26** to **35** carry 2 marks each. Show your working clearly in the space below each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (20 marks)

26) ABCD is a rectangle 12 cm by 6 cm. BF is 4 cm. Find the area of triangle AFC.



Ans: _____ cm^2

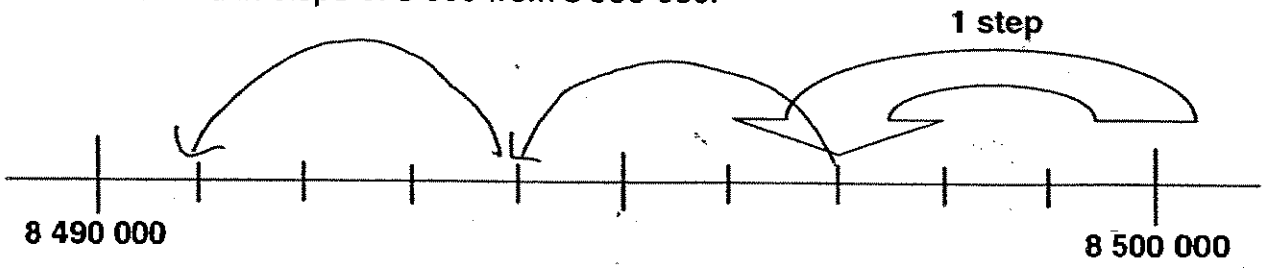
27) Count forward in steps of 200 000 from 6 500 000.



What is the number after the 4^{th} step?

Ans: _____

28) Count backward in steps of 3 000 from 8 500 000.



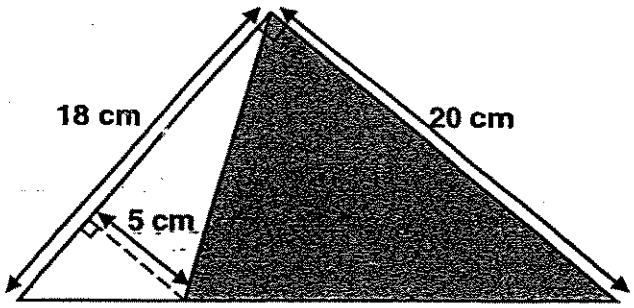
What is the number after the 3rd step?

Ans: _____

29) The school is hiring buses to send 537 Primary Five pupils and teachers for the NE Show in July this year. Each bus can take only 42 people. What is the least number of buses that the school needs to hire?

Ans: _____

30) Find the area of the shaded triangle.



Ans: _____ cm^2

31) Complete the number pattern below.

1, 1, 2, 3, 5, 8, 13, _____, 34

Ans: _____

32) At a Bus Stop A, 15 passengers alighted from a bus.
At a Bus Stop B, 8 passengers alighted from a bus.
There are 28 passengers in the bus now. How many passengers were there in the bus at first?

Ans: _____

33) Jovan and Ivan swam at the swimming pool on the **1st of March**. Jovan swims at the pool once every 3 days while Ivan swims once every 5 days. Find the **date** when they would next meet each other again at the swimming pool.

Ans: Day _____ Month _____

34) Xiuli and Hamid shared a sum of money. Hamid had 2 times more money than Xiuli. If he had $34 more than her, find the total sum of money both of them had.

Ans: $ _____

35) A fruit seller has 50 more apples than oranges. After selling half of the apples, there were 30 more oranges than apples. How many apples and oranges does the fruit seller have at first?

Ans: _____

Section C

For questions **36** to **46**, show your working clearly in the space provided for each question and write your answers in the spaces provided.
The number of marks available is shown in brackets [ ] at the end of each question or part question. **(40 marks)**

---

36) A group of 10 boys and 6 girls collected $420 for the School Pocket Money Fund. Each girl collected thrice as much as each boy. How much money did each boy collect?

Ans:_____ **[3]**

---

37) Mr Chandran is 43 years old when his son is 18. How many years later will Mr Chandran be twice as old as his son?

Ans:_____ **[3]**

38) Alvin was reading his favourite storybook when the telephone rang. He stopped reading to answer the telephone. The two facing pages where he placed his bookmark had page numbers that added up to 555. Find the smaller page number.

Ans:_____ **[3]**

---

39) Jessica had 492 beads and Kayla had 128 beads. Jessica gave Kayla some beads so that they have the same number of beads. How many beads did Jessica give Kayla?

Ans:_____ **[3]**

40) Rani had 12 postage stamps with a total value of $3.20. Some of her stamps were 20-cent stamps and the rest were 30-cent stamps. How many 20-cents and 30-cent stamps did Rani have?

Ans: 20-cent stamps
30-cent stamps [3]

---

41) Three boys have a total of 72 toy cars. Tom had 3 times as many toy cars as Jerry. Paul has 7 more toy cars than Jerry. What is the difference in the number of toy cars between Tom and Paul?

Ans: [4]

42) Mrs Ng had $12 which was just enough to buy 2 kg of flour and 3 kg of rice. Instead, she bought 3 kg of flour and 2 kg of rice and had $1.50 left.

(a) What is the cost of 1 kg of flour?

(b) What is the cost of 1 kg of rice?

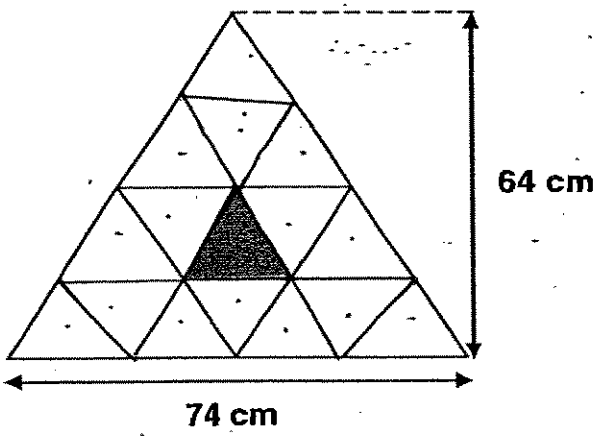
Ans: (a)_____ [3]

(b)_____[1]

---

43) The figure below is made up of equilateral triangles of different sizes.

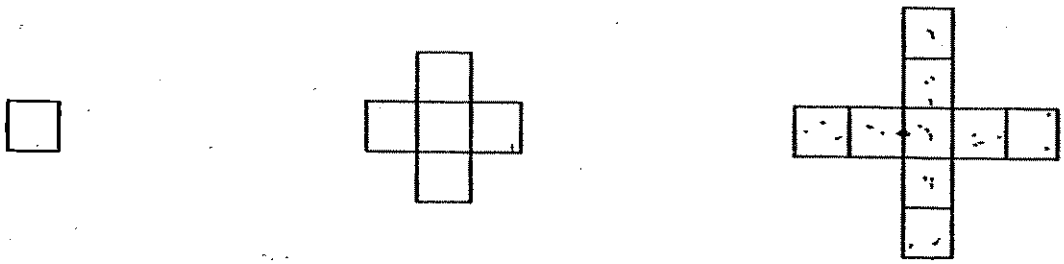
Find the area of the shaded equilateral triangle.



Ans:_____[4]

44) Look at the following figures that are formed by squares of the same size.

Figure 1 **Figure 2** **Figure 3**



(a) How many squares would make up Figure 4?

(b) How many squares would make up Figure 51?

Ans: (a)_____ **[1]**

(b)_____ **[3]**

45) A shopkeeper had 14 boxes of mangoes. There were 58 mangoes in each box. He sold 182 mangoes on Monday and 210 mangoes on Tuesday. He then packed the rest into packets of 20 mangoes each. How many packets of mangoes did he pack?

Ans: _____ [5]

46) Chad, Delicia, Grace and Edward gave stickers to one another. Chad gave Delicia 5 stickers and Edward 10 stickers. Edward gave 9 stickers to Chad. Delicia gave 7 stickers to Grace. Grace gave Chad 3 stickers and 6 stickers to Delicia.

(a) How many stickers did Delicia receive?

(b) Who received the most number of stickers?

Ans: (a)_____ **[2]**

(b)_____ **[3]**

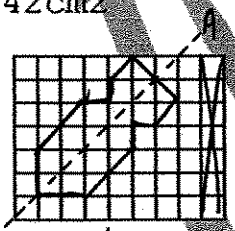
~END OF PAPER~

Have you checked your work thoroughly?

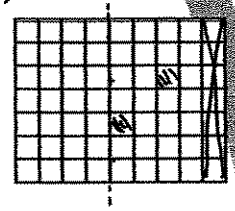
ANSWER SHEET

ROSYTH PRIMARY SCHOOL - PRIMARY 5 MATHEMATICS 2007
CONTINUAL ASSESSMENT (1)

1. 4
2. 2
3. 3
4. 2
5. 2
6. 1
7. 1
8. 2
9. 2
10. 4
11. 2
12. 1
13. 1
14. 2
15. 3
16. 8500040
17. 500
18. 370000
19. 2959800
20. 367
21. 10300
22. 1400
23. 42cm2
24.



25.



26) 12cm2
27) 7300000
28) 8491000
29) 13
30) 135cm2
31) 21
32) 51 passengers
33) 16 ,March
34) $68
35) 270 at first
36) $15
37) 7 years later
38) page 277
39) 182 beads
40) 4,8
41) 19 toy cars
42) a) $1.50
b) $3
43) 148cm2
44) a) 13 squares
b) 201 squares
45) 21 packets
46) a) 11
b) Delicia

RAFFLES GIRLS' PRIMARY SCHOOL

SEMESTRAL ASSESSMENT 1 2007

Your Score Out of 100 marks		
	Class	Level
Highest score		
Average score		
Parent's Signature		

Name : _____ ( ) Class: P5__

09 May 2007 MATHEMATICS Att: 2 h 15 min

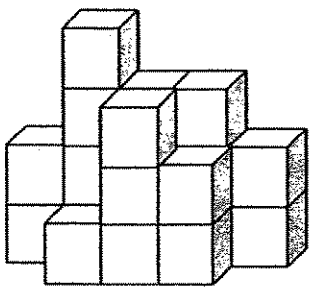
SECTION A (20 marks)

Question 1 to 10 carry 1 mark each. Question 11 to 15 carry 2 marks each. For each question, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4). Shade your answer (1, 2, 3 or 4) on the OAS provided.

1. What is the value of the digit 7 in 970 523?
   (1) 70
   (2) 700
   (3) 7 000
   (4) 70 000 ( )

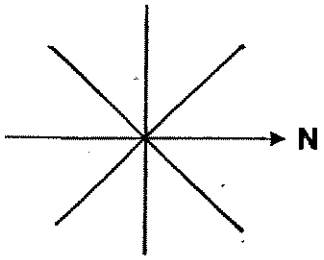
2. What is the product of 1 000 and 52?
   (1) 520
   (2) 5 200
   (3) 52 000
   (4) 520 000 ( )

3. The solid shown below is made up of 1-cm cubes.
   What is the volume of the solid?



   (1) 14 cm^3
   (2) 16 cm^3
   (3) 18 cm^3
   (4) 20 cm^3 (79)

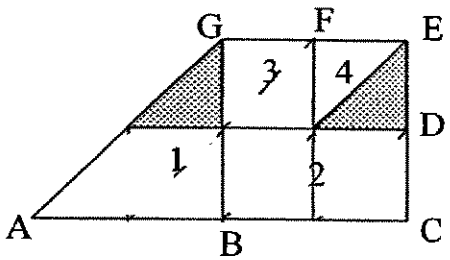
4. I was facing Northwest and I turned 90° anti-clockwise.
Which direction am I facing now?



(1) Southwest
(2) Northeast
(3) East
(4) West

( )

5. In the figure below, AB = BC = CE = EG.
D is the midpoint of CE and F is the midpoint of EG.
Which other area must be shaded so that $\frac{1}{2}$ of the figure is shaded?



(1) 1
(2) 2
(3) 3
(4) 4

( )

80

6. Arrange the following fractions in ascending order.

$\frac{5}{2}$ $\frac{11}{6}$ $2\frac{2}{5}$

(1) $\frac{5}{2}$, $2\frac{2}{5}$, $\frac{11}{6}$

(2) $2\frac{2}{5}$, $\frac{5}{2}$, $\frac{11}{6}$

(3) $\frac{11}{6}$, $2\frac{2}{5}$, $\frac{5}{2}$

(4) $\frac{11}{6}$, $\frac{5}{2}$, $2\frac{2}{5}$ ( )

7. The value of the digit 2 in 539.721 is

(1) $\frac{2}{1000}$

(2) $\frac{2}{100}$

(3) $\frac{2}{10}$

(4) 2 ( )

8. Express 4.08 as a fraction in its simplest form.

(1) $\frac{2}{25}$

(2) $\frac{12}{25}$

(3) $4\frac{4}{5}$

(4) $4\frac{2}{25}$ ( )

9. If ▲ : ■ = 3 : 4, and ■ : ● = 5 : 7, find the ratio of ▲ : ●.

(1) 15 : 28

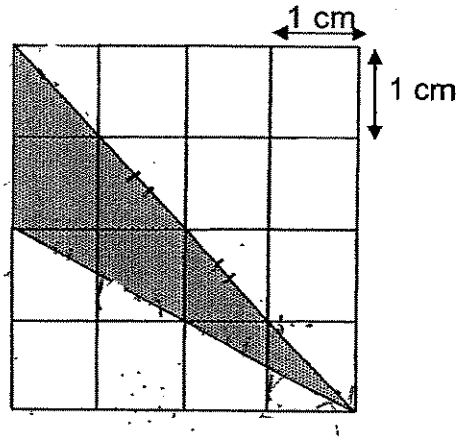
(2) 21 : 20

(3) 3 : 7

(4) 4 : 7 ( )

81

10. Find the area of the shaded triangle.



(1) 8 cm²
(2) 7 cm²
(3) 6 cm²
(4) 4 cm²

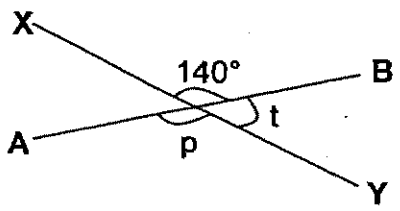
( )

11. Find the difference between 80 547 and 3 557.
Round off your answer to the nearest hundreds.

(1) 76 890
(2) 76 900
(3) 76 990
(4) 77 000

( )

12. In the figure below, AB and XY are straight lines.
The difference between ∠p and ∠t is _____°.



(1) 140
(2) 100
(3) 60
(4) 40

( )

13. What is the least number of cookies that can be shared among 2, 6 or 7 children equally?

(1) 14
(2) 21
(3) 42
(4) 84 ( )

14. Saree took $1\frac{1}{10}$ hours to prepare her lunch and spent 0.5 hours to finish the meal. How much time did she take in all?

(1) 71 minutes
(2) 75 minutes
(3) 96 minutes
(4) 100 minutes ( )

15. Charmaine bought a 2 kg fruit cake and a cheesecake.

$\frac{3}{5}$ of the fruit cake weighed the same as $\frac{3}{4}$ of the cheesecake.

What was the weight of the cheesecake?

(1) 1 kg 600 g
(2) 1 kg 500 g
(3) 1 kg 200 g
(4) 400 g ( )

Name: _____ Class: P5 _____ Index No.:_____

SECTION B (30 marks)

Question 16 to 25 carry 1 mark each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated. All diagrams are not drawn to scale. Answers in fractions or ratio must be expressed in the simplest form.

---

16. Arrange the numbers in descending order.

33 046, 29 470, 29 877, 32 084

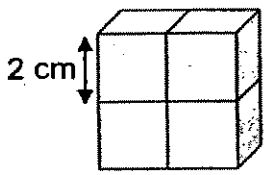
_____, _____, _____, _____

17. Write 19 tenths and 23 thousandths in decimal.

Ans: _____

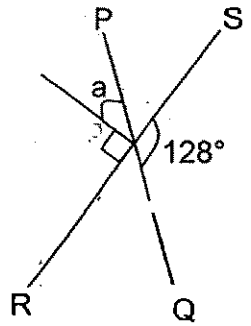
18. Mavis plans to make a cuboid of volume 112 cm^3 by stacking up some 2-cm cubes.

How many **more** cubes must she add to the figure below to make the cuboid?



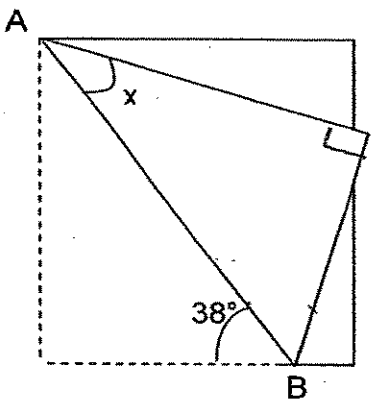
Ans: _____

19. In the diagram below, PQ and RS are straight lines.
Find ∠a.



Ans: _____ °

20. A piece of rectangular paper was folded along AB as shown in the diagram below. Find ∠x.



Ans: _____ °

21. Weiling used $2\frac{4}{5}$ m of ribbon and Sasha used $1\frac{1}{3}$ m of ribbon during their Art lesson. What was the total length of ribbon used by the two girls in metres?

Ans: _____ m

22. Express $18\frac{18}{1000}$ as a decimal.

Ans: _____

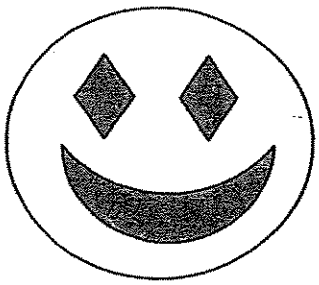
23. Find the value of 3.39 × 5.
Round off your answer to 1 decimal place.

Ans: _____

24. Mrs Chan jogged 87.75 km in 9 days.
What was the average distance she jogged in a day?
Round off this figure to the nearest kilometres.

Ans: _____ km

25. Given that $\frac{3}{8}$ of the figure below is shaded, express the ratio of the unshaded area to the area of the figure.



Ans: _____

Name: _____ Class: P5 _____ Index No.: _____

Question 26 to 35 carry 2 marks each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated. All diagrams are not drawn to scale. Answers in fractions or ratio must be expressed in the simplest form. Marks will be awarded for relevant working.

---

26. The sum of two numbers is 750.

One of the numbers is 60 less than the other number.

What is the bigger number?

Ans: _____

27. Find the value of $280 - (25 \times 2) + 10 - 100 \div 10$.

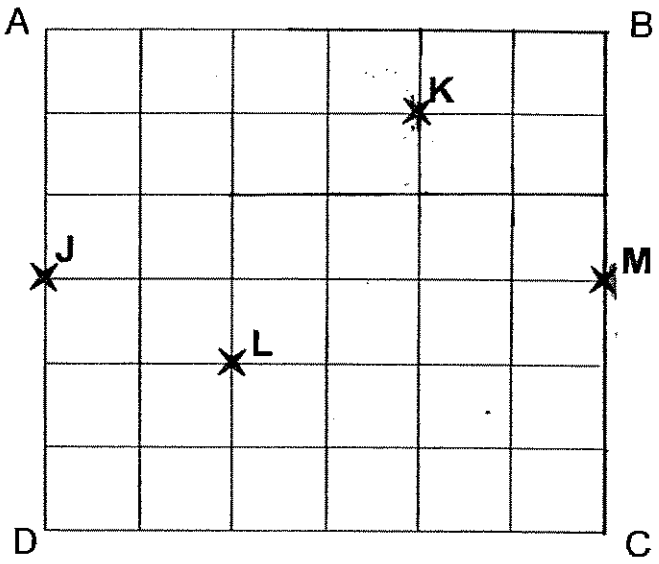
Ans: _____

28. 3 mugs and 2 saucers weigh $3\frac{1}{4}$kg.

If 2 saucers weigh $1\frac{1}{4}$kg, what is the mass of 5 mugs?

Ans: _____kg

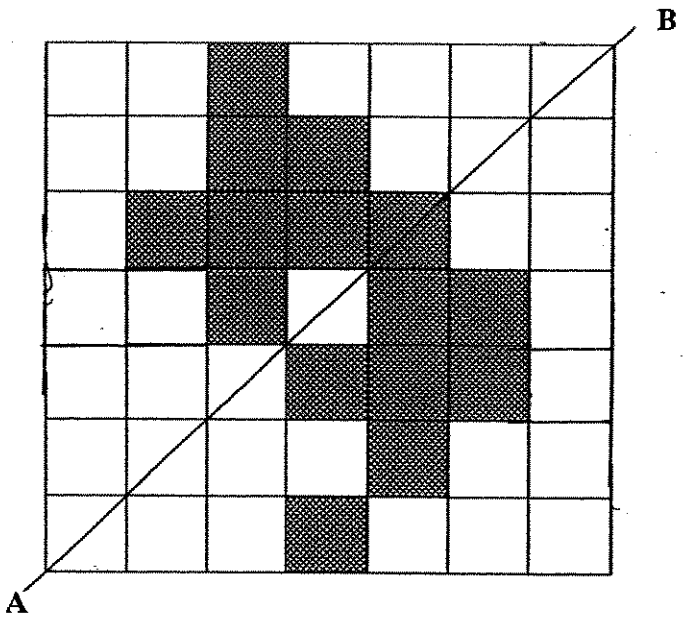
29. Study the 6 by 6 square grid below carefully.



If I were to move three squares parallel to line AD,
two squares perpendicular to line BC, and then one square parallel to line BC,
I would end up at position K.
Where am I now?

Ans: _____

30. Shade **two** more unit squares so that the line AB is a line of symmetry.



31. Mr Osman spent $900 which was $\frac{2}{3}$ of his salary.

If he had spent only $\frac{1}{5}$ of his salary, how much less would he have spent?

Ans: $_____

32. The perimeter of a square is $\frac{24}{25}$ m.

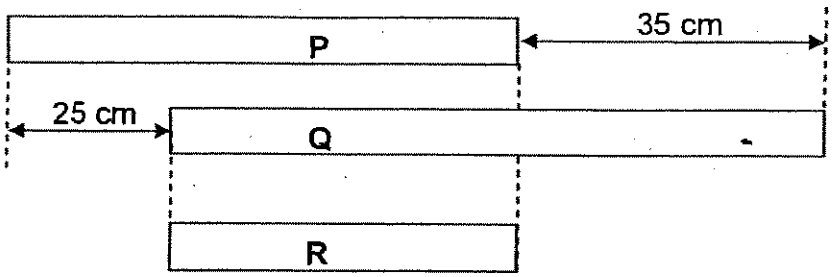
Find the length of the square in centimetres.

Ans: _____ cm

33. How many hundredths are there when $9\frac{3}{20}$ is added to 0.2?

Ans: _____

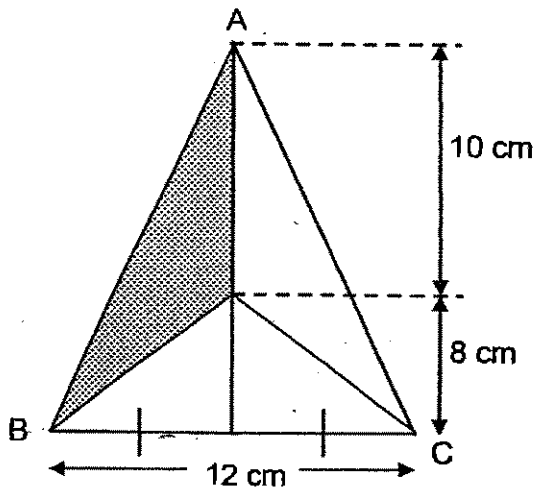
34. The diagram below shows three paper strips, P, Q and R.



Given that the total length of P, Q and R is 210 cm, find the ratio of the length of P to the length of R.

Ans:_____

35. Triangle ABC is an isosceles triangle.
Find the area of the shaded figure below.



Ans:_____ cm²

Name: _____ Class: P5 _____ Index No.:_____

SECTION C (50 marks)

For question 36 to 48, show your working clearly in the space provided below each question and write your answer with suitable units in the spaces provided. All diagrams are not drawn to scale. Answers in fractions or ratio must be expressed in the simplest form. Marks will be awarded for relevant working. The number of marks available is shown in brackets [ ] at the end of each question or part-question.

---

36. Phyllis and Siti had a total of 3 l of tea for sale.

After Phyllis sold $\frac{1}{2}$ of her amount of tea and Siti sold $\frac{3}{7}$ of her amount of tea, they had the same amount left.

Siti sold another 200 ml of tea, how many millilitres of tea would she have left at the end?

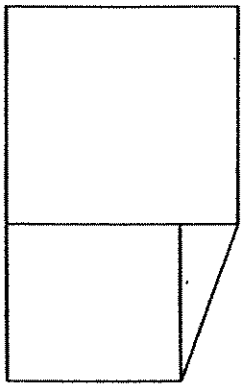
Ans:_____[3]

37. Ken is 48 years old now. $\frac{1}{4}$ of his age is equal to $\frac{1}{3}$ of Rachel's age.

What would be their total age in 10 years' time?

Ans: _____[3]

38. The figure below is made up of two squares and a triangle.
The perimeters of the big square and the small square are 112 cm and 64 cm respectively.
What is the area of the triangle?



Ans: _____ [3]

39. 60
□ + △ + △ = ☆ + ☆ + ○ + ○

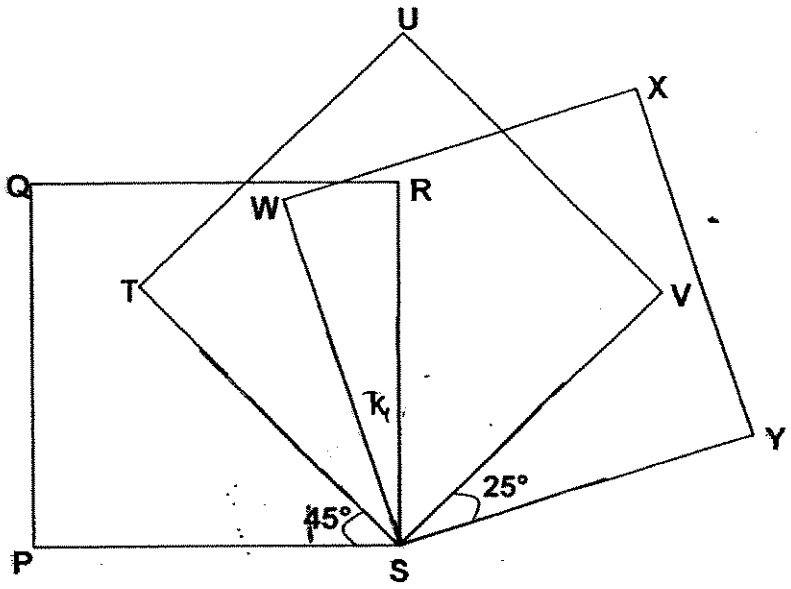
60
☆ + □ = 100

☆ + ○ = 50

If the value of ○ is 10, find the value of △.

Ans: _____ [3]

40. The figure below shows three identical squares PQRS, STUV, and SWXY. Find ∠k.



Ans: _____[3]

41. Janice and Elaine had a total of 290 stamps.
After Janice bought another 34 stamps and Elaine gave away half of her stamps, they both had the same number of stamps.
How many stamps did Janice have at first?

Ans: _____ [3]

42. Michelle and Gracie had different number of beads at first.

After Michelle gave Gracie $\frac{1}{4}$ of her beads, Gracie had more beads than her.

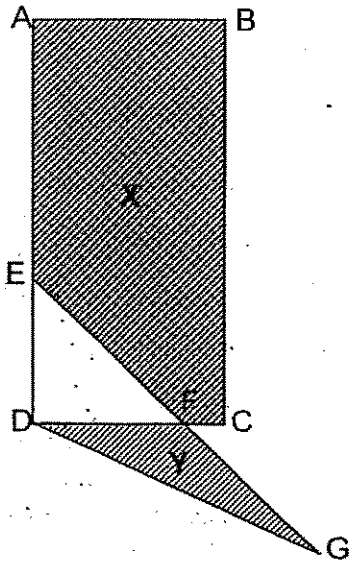
Gracie then gave Michelle $\frac{1}{4}$ of her new number of beads and they had 54 beads each at the end.

What was the number of beads Michelle had at first?

54

Ans: _____[4]

43. The figure below shows a rectangle ABCD overlapped with a triangle EDG. The total area of the rectangle ABCD and the triangle EDG is 1 800 cm². Given that the area of triangle EDG is $\frac{2}{7}$ of the area of rectangle ABCD, find the difference between the two shaded areas labeled X and Y.



Ans: _____ [4]

44. A tank, 20 cm long and 15 cm wide, has a height of 20 cm.

David pours 4 jugs and 8 pails of water into the tank and the height of the water level in the tank is 10 cm.

a) Find the volume of the water in the tank.

b) If David needs another 20 jugs of water to fill the tank to the brim, how many **pails** of water are needed to fill the empty tank completely?

Ans: (a)_____[1]

(b) _____[3]

45. The total cost of 6 hamburgers and 4 cheese burgers is $21.

A cheese burger costs 1.5 times as much as a hamburger.

a) Find the cost of a hamburger.

b) Find the cost of 400 cheeseburgers.

Ans: (a)_____[3]

(b)_____[2]

46. Amin, Ben and Chandra shared 8 boxes of marbles among themselves. Each box contained 65 marbles. Amin received 48 marbles while Chandra received 3 times as many marbles as the total number Amin and Ben received.

a) How many marbles did Ben receive?

b) If Ben were to get the same number of marbles as Chandra, how many marbles must Chandra give to Ben?

Ans: (a)_____ [2]

(b)_____ [3]

47. Leah had $22 less than Emma at first.

Leah spent $\frac{1}{6}$ of her money while Emma spent $\frac{1}{4}$ of her money at a fair.

If Emma had spent $8 more than Leah,

a) how much money did Leah spend?

b) What was the total sum of money the girls had left after spending?

Ans: (a)_____[2]

(b)_____[3]

48. Adam and Ben each have some money.

If Adam spends $4, the ratio of the amount of money Adam has to the amount that Ben has will be 3 : 5.

If Ben spends $4, the ratio of the amount of money Adam has to the amount that Ben has will be 11 : 13.

How much money does each boy have?

Ans: _____ [5]

-End of Paper-

Please check your work carefully ☺

Setters: Adeline Khalik, Cheng Kim Hong, June Low and Aubrey Ong

ANSWER SHEET

RAFFLES GIRLS' PRIMARY SCHOOL - PRIMARY 5 MATHEMATICS 2007
SEMESTRAL ASSESSMENT (1)

1. 4
2. 3
3. 4
4. 1
5. 2
6. 3
7. 2
8. 4
9. 1
10. 4
11. 4
12. 2
13. 3
14. 3
15. 1
16. 33046,32084,29877,29470
17. 1.923
18. 10
19. 38°
20. 52°
21. $4\frac{2}{15}$M
22. 18.018
23. 17.0
24. 10KM
25. 5:8

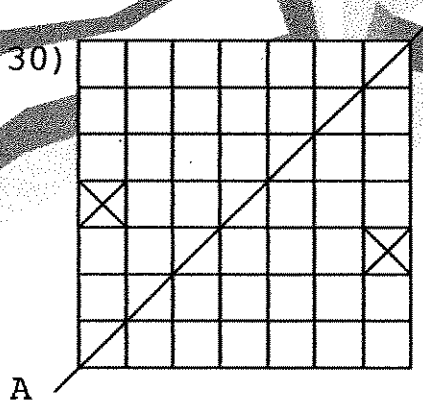
26) 750−60=690
690÷2=345
345+60=405

27) 280−(25X2)+10−100÷10
=280−50+10−100÷10
=280−50+10−10
=230+10−10
=240−10
=230

28) 3 MUGS 2 SAUCERS→3 ¼
3 Mugs→3¼ − 1¼ =2
1 mug→2÷3=2/3
5 mugs→2/3x5=10/3=$3\frac{1}{3}$

29) M

30)



31) 900÷2=450
450x3=1350
1350÷5=270
900-270=$630

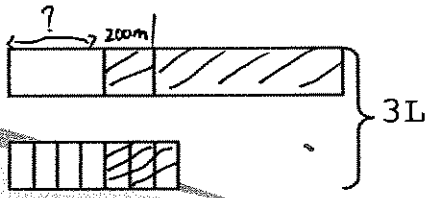
32) 100÷25=4
4x24=96
96÷4=24cm

33) 935

34) P→75
Q→85
R→50
35+25+35+25=120
210+120=330
330÷3=110
110-35=75
110-60=50
75:50→15:10
→3:2

35) 12÷2=6
½ x10x6=30
½ x6x8=24
½ x18x6=54
54-24=30cm2

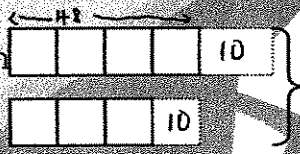
36) Phyllis



Siti

1u→3000÷15=200
4u→4x200=800
Siti's left→800-200=600ml

37) Ken



Rachel

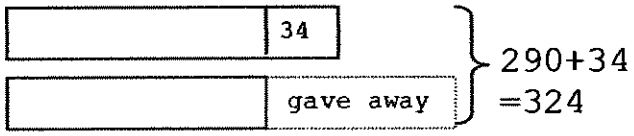
48÷4=12
7u→12x7=84
10+10=20
84+20=104 years old

38) 1 side big→112÷4=28
1 side small→64÷4=16
28-16=12
Area of △→ ½ x64x12=9*6cm2

39) 50-10=40
100-40=60
50+50=100
100-60=40
40÷2=20

40) ∠WSB→90° -25° =65°
∠TS →90° -65° =25°
K→90° -25° -45° =20°

41) Janice



Elaine

3u→324
1u→324÷3=108
At first (Janice)→108-34=74

42) 3u→54
1u→54÷3=18
2u→18x2=36
After Michelle gave ½ of her beads to Gracie
→18x2=36
4u→12x4=48

43) 7+2=9
1800÷9=200
Y→200x2=400
X→200x7=1400
Difference→1400-400=1000cm2

44) a) 20x15x10=300x10=3000
b) 20-4=16
16÷8=2
20÷2=10
10x2=20

45) a) 24u→$21
1u→21/24=$21÷12=$1.75
b) 4 cheese→6x1.75=$10.50
400 cheese→$10.50x100=$1050

46) a) 8x65=520
520÷4=130
130-48=82
b) 48+82=130
130x3=390
390-82=308
308÷2=154

47) a) $22÷4=$5.50
E→6u+$5.50
L→4u
¼→6/24
1/6→4/24
2u→$2.50
1u→$1.25
4u→$5
b) 24x2=48
6+4=10
48-10=38
38u→$47.50
$22-$5.50=$16.50
$47.50+$16.50=$64

48) Adam: $22
Ben: $30

NANYANG PRIMARY SCHOOL

FIRST SEMESTRAL EXAMINATION 2007

PRIMARY 5

MATHEMATICS

DURATION: 2 HOURS 15 MINUTES

Booklet A	/ 20
Booklet B	/ 30
	/ 50

Total: / 100

Name: _____)

Class: Primary 5 ( )

Date: 10 May 2007

Parent's Signature: _____

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.

FOLLOW ALL INSTRUCTIONS CAREFULLY.

ANSWER ALL QUESTIONS.

Booklet A

Questions **1** to **10** carry 1 mark each. Questions **11** to **15** carry 2 marks each. For each question, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4). Shade the oval (1, 2, 3 or 4) on the Optical Answer Sheet. (20 marks)

---

1 What is the product of 7986 and 12?

(1) 23 958

(2) 83 622

(3) 84 722

(4) 95 832

2 Samy is $\frac{2}{3}$ as old as Yong Shen. What is the ratio of Samy's age to Yong Shen's age?

(1) 2 : 3

(2) 3 : 2

(3) 2 : 5

(4) 5 : 2

3 In a music class, there are 4 more girls than boys. There are 40 children in the class. Find the ratio of the number of boys to the number of girls in the class.

(1) 9 : 11

(2) 11 : 9

(3) 9 : 20

(4) 20 : 9

4 The length of the sides of a triangle are in the ratio of 2 : 3 : 4. The length of the shortest side is 10 cm. What is the length of the longest side?

(1) 15 cm

(2) 20 cm

(3) 45 cm

(4) 90 cm

5 Sakura bought $1\frac{4}{5}$ kg of grapes. Nikita bought $\frac{2}{3}$ kg less grapes. How much grapes did they buy altogether?

(1) $1\frac{2}{15}$ kg

(2) $2\frac{7}{15}$ kg

(3) $2\frac{14}{15}$ kg

(4) $3\frac{3}{5}$ kg

6 Mother bought 5 m of cloth. She used $\frac{3}{8}$ of it to make a skirt. How much cloth had she left?

(1) $1\frac{7}{8}$ m

(2) $3\frac{1}{8}$ m

(3) $4\frac{5}{8}$ m

(4) $5\frac{3}{8}$ m

7 Mrs Bean spent $\frac{1}{4}$ of her salary on transport and $\frac{2}{9}$ of the remainder on food. What fraction of her salary was left?

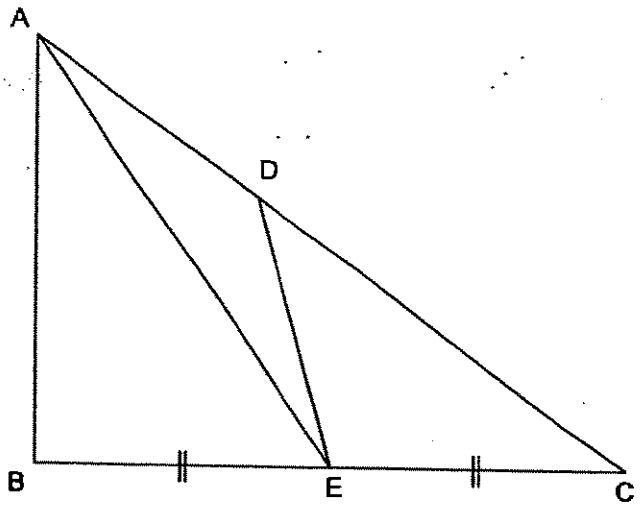
(1) $\frac{3}{18}$

(2) $\frac{19}{36}$

(3) $\frac{7}{12}$

(4) $\frac{17}{18}$

8 ABC is a right-angled triangle and BE = EC. Triangle ABE has an area of 15 cm². What is a possible area for Triangle AEC?



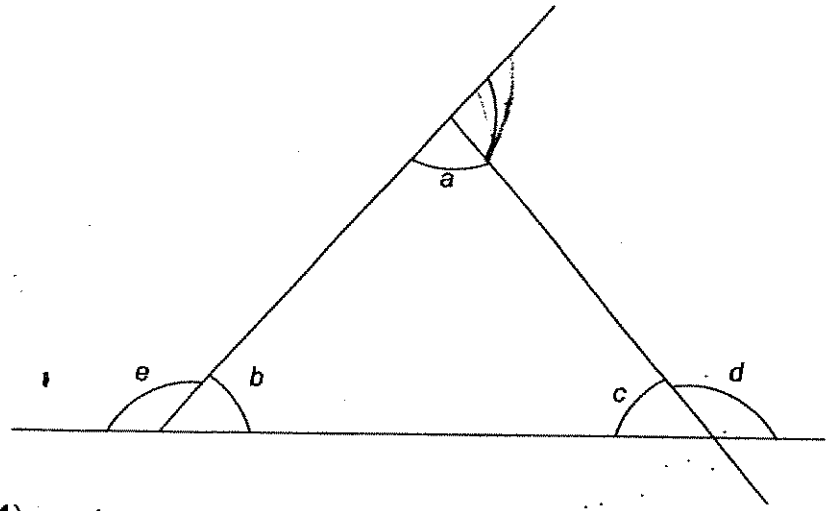
(1) 5 cm²

(2) 10 cm²

(3) 15 cm²

(4) 20 cm²

9 In the figure below, which angle is the same as $\angle a + \angle b$?



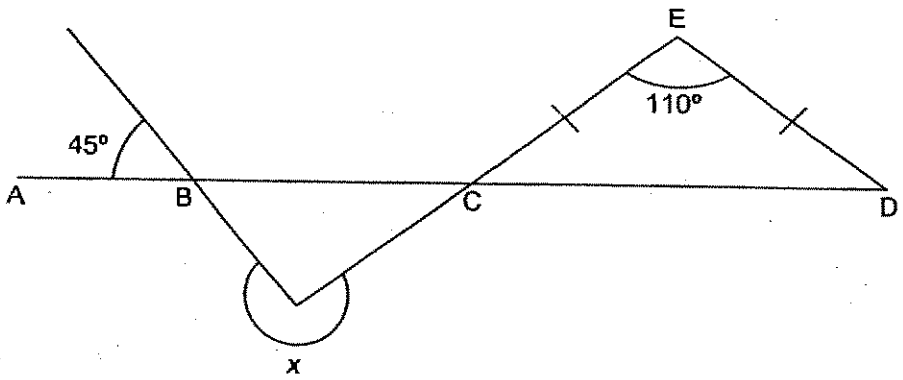
(1) $\angle c$

(2) $\angle d$

(3) $\angle e$

(4) $\angle f$

10 In the figure below, ABCD is a straight line. Triangle CDE is an isosceles triangle. Find $\angle x$.



(1) 80°

(2) 100 °

(3) 260 °

(4) 295 °

11 What is the value of $3 \times (24 + 4) - 28 \div 7 + 6$?

(1) 14

(2) 74

(3) 86

(4) 90

12 Si Hui and Tasha had an equal number of stickers. Si Hui lost 48 of her stickers while Tasha lost 60 of her stickers. Si Hui now had twice as many stickers as Tasha. How many stickers did each of them have at first?

(1) 72

(2) 84

(3) 96

(4) 114

13 Kim's monthly pocket money is \$39. She spends \$13 each month. How many months will she take to save \$780?

(1) 20

(2) 30

(3) 52

(4) 60

14 Gordon spent $\frac{1}{8}$ of the day on his homework. Halim spent 6 hours more than Gordon on his homework. What fraction of the day did Halim spend on his homework?

(1) $\frac{3}{8}$

(2) $\frac{6}{8}$

(3) $5\frac{7}{8}$

(4) $6\frac{1}{8}$

15 Azizah cuts a piece of ribbon into 60 pieces, each $\frac{1}{4}$ m. How many pieces will she get if she cuts the ribbon into $\frac{1}{5}$ m pieces?

(1) 3

(2) 12

(3) 15

(4) 75

Name: _____) Class: Pr 5 (

P5 SA1 2007

Booklet B

Questions **16** to **25** carry 1 mark each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

(10 marks)

---

16 What is the missing number in the box?

6 248 107 = 6 000 000 + ☐ + 40 000 +8000 + 107

Ans: _____thousand

---

17 Write eight million, thirty-four thousand and six in figures.

Ans: _____

---

18 The mass of a tennis ball when rounded off to the nearest tenth is 58.0 g. What is the lowest possible mass of the tennis ball?

Ans: _____g

---

19 Mrs Lim needs to make 148 costumes for her pupils to take part in a competition. If each costume costs $100, how much does she have to pay?

Ans: $_____

---

20 What is the missing number in the box?

$72 \div \square + 8 \times 4 - 3 = 38$

Ans: _____

---

21 What fraction of 4 hours is 35 minutes? Give your answer in its simplest form.

Ans: _____

---

22 Auntie Rosie baked a chocolate cake. Her children ate $\frac{1}{4}$ of the cake and she gave $\frac{1}{6}$ of it to each of her 3 friends. What fraction of the cake was left?

Ans: _____

---

23 What fraction of 4.5 km is 750 m? Express your answer in its simplest form.

Ans: _____

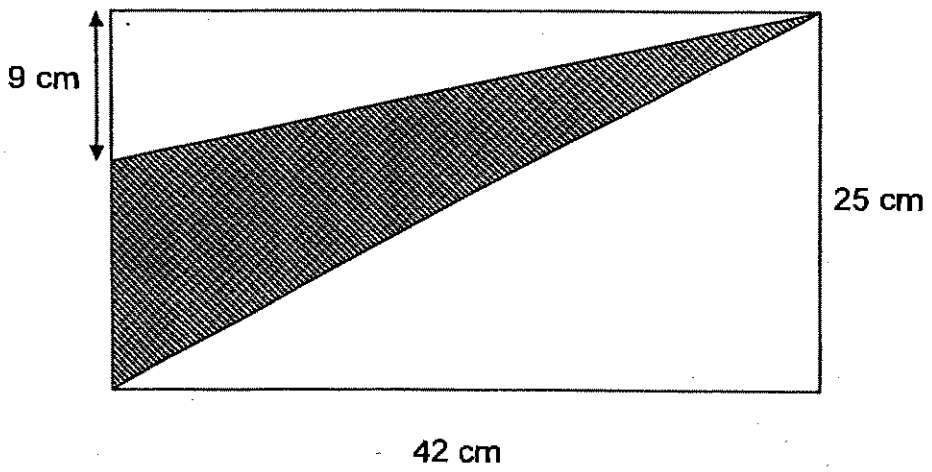
---

24 The mass of a packet of flour is 2 kg 40 g and the mass of a packet of sugar is 3 kg. Find the ratio of the mass of sugar to the mass of flour. Leave your answer in its simplest form.

Ans: _____

---

25 The figure below is a rectangle. Find the area of the shaded part.



Ans: _____ cm^2

Questions **26** to **35** carry 2 marks each. Show your working clearly in the space below each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

(20 marks)

---

26 Arif bought a television set that cost $1248 and a computer that cost $1480. He made a down payment of $250 and paid the rest in 10 monthly instalments. How much did he pay each month?

Ans: $_____

---

27 David paid $45 for a model car. The model plane was $31 more expensive than the model car. He bought 2 model cars and 5 model planes. How much did he pay in total?

Ans: $_____

---

28 Gina has 5877 crystal beads. She uses 67 crystal beads to make a necklace. What is the maximum number of such necklaces that she can make?

Ans: _____

---

29 A tank was filled with 105 litres of water. The water was pumped out at a rate of 5 litres per minute. How long would it take to pump out $\frac{4}{7}$ of the water in the tank?

Ans: _____ min

---

30 The time shown on Hui Zhi's watch is 3.00 p.m. If the minute hand turns 450° clockwise, what time will it be?

Ans: _____ p.m.

---

31 Max and Sean shared $350 in the ratio of 1 : 4. Each spent half of his money. How much more money than Max did Sean have left?

Ans: $_____

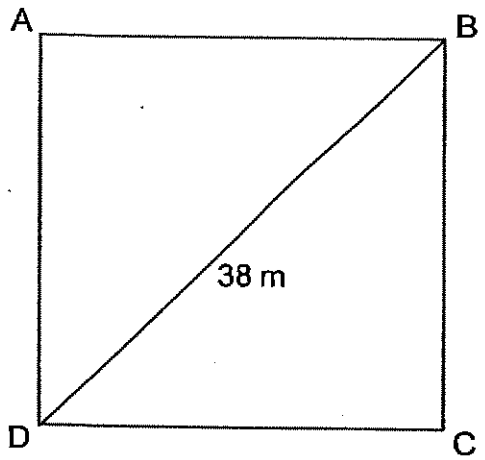
---

32 The ratio of the number of men to the number of women to the number of children in a cinema was 5 : 4 : 2. If there were 36 more women than children, how many men were there in the cinema?

Ans: _____

---

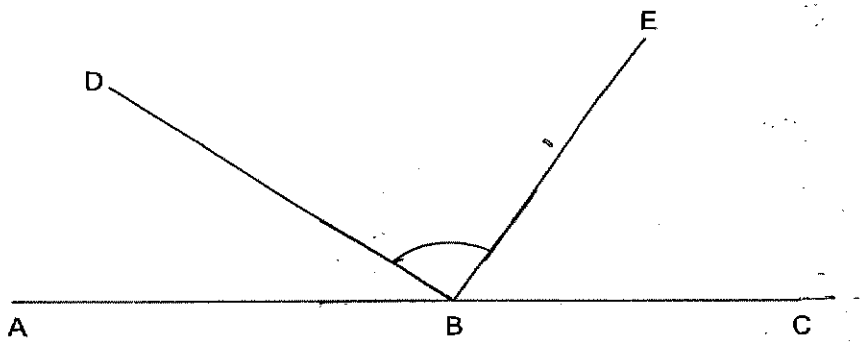
33 ABCD is a square and BD is 38 m. Find the area of triangle ABD.



Ans: _____ m^2

---

34 In the figure below, ABC is a straight line.
$\angle ABE = 128^o$ and $\angle CBD = 146^o$. Find $\angle DBE$.



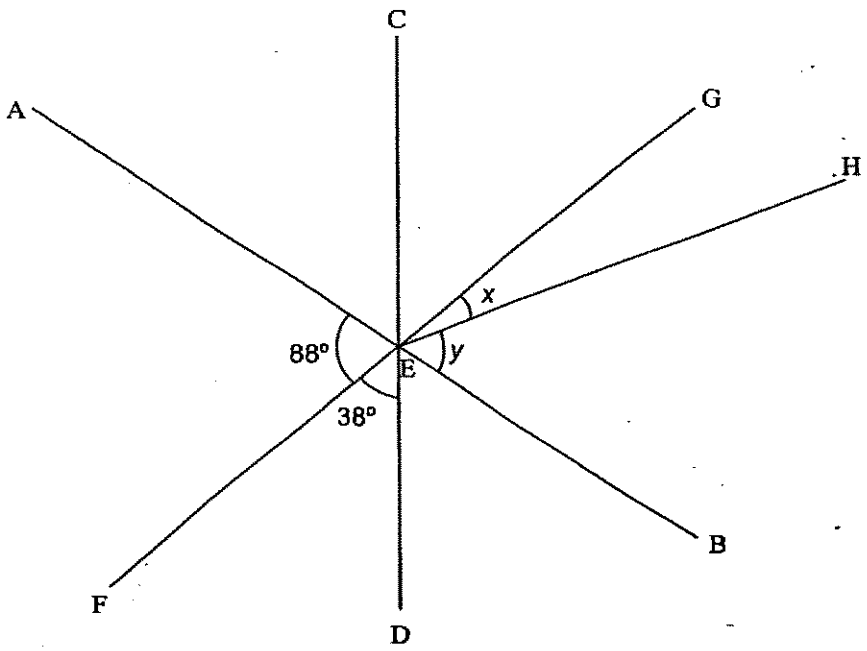
Ans: _____ °

---

35 AEB, CED and FEG are straight lines. $\angle y$ is 3 times of $\angle x$.

(a) Find $\angle$ DEB.

(b) Find $\angle y$.



Ans: (a) _____ °

(b) _____ °

Name: _____( ) Class: Pr 5 ( )

P5 SA1 2007

For questions **36** to **48**, show your working clearly in the space provided for each question and write your answers in the spaces provided.
The number of marks available is shown in brackets [ ] at the end of each question or part-question.

(50 marks)

---

36 In a group of 100 pupils, 30 of them passed their Science test and 95 of them passed their Mathematics test. 3 of them did not pass both tests. How many pupils passed the tests for both subjects?

Ans: _____ [3]

---

37 Mickey had \$54. Nicholas had \$649. After their mother gave each of them an equal amount of money, Mickey had $\frac{1}{8}$ as much money as Nicholas. How much money did their mother give each of them?

Ans: _____ [3]

---

38 Muthu's age is $\frac{1}{7}$ of his mother's age now. His mother will be 50 years old in 8 years' time.

(a) How old is Muthu now?

(b) In how many years' time will Muthu be $\frac{1}{5}$ of his mother's age?

Ans: (a) _____ [1]

(b) _____ [2]

---

39 Ken, Mark and Lolita shared some marbles. Ken had 120 marbles more than Mark. If Ken gave $\frac{2}{5}$ of his marbles to Mark, both of them would have the same number of marbles. Lolita had $\frac{1}{3}$ of what Ken and Mark had. What was the ratio of the number of marbles Lolita had to the total number of marbles?

Ans: _____ [3]

---

40 On Monday, Susie read $\frac{1}{6}$ of a book. On Tuesday, she read 35 pages of the book. On Wednesday, she read $\frac{3}{5}$ of the remaining book, leaving 24 pages of the book unread. How many pages of the book did she read?

Ans: _____ [3]

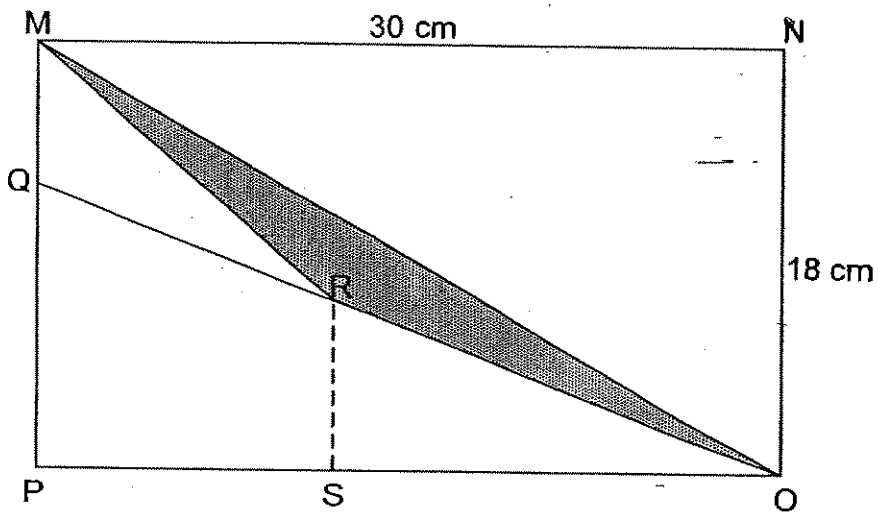
41 A book has 254 pages. How many pages are there with the digit "4" on the page numbers?

Ans: _____ [3]

42 At a party, the ratio of the number of girls to the number of boys is 3 : 1. If each girl is given 3 sweets and each boy is given 4 sweets, a total of 234 sweets will be needed. How many children are at the party?

Ans: _____ [4]

43 MNOP is a rectangle 30 cm by 18 cm. QRO is a straight line and PQ = PS. The ratio of MQ to PQ is 1 : 2. Find the area of the shaded part.



Ans: _____ [4]

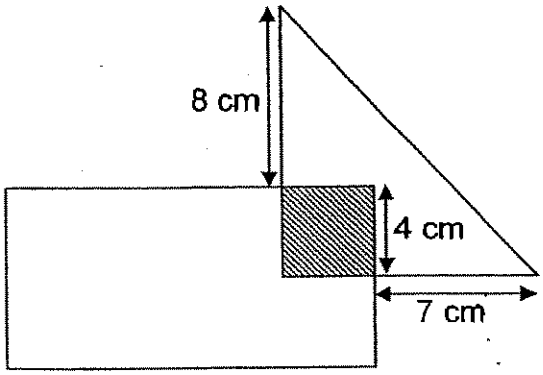
44 In a bookshop, there were thrice as many blue pens as red ones. Mrs Lee sold $\frac{1}{4}$ of the blue pens to the pupils and 120 blue pens to the teachers. Mrs Lee also sold $\frac{1}{4}$ of the red pens to the teachers. The number of red pens left was $\frac{3}{8}$ of the total number of pens left. Express the number of red pens sold as a fraction of the number of blue pens sold. (Express your answer in its simplest form.)

Ans: _____ [4]

45 For every 12 computer games played, a discount of $5 was given. Josh paid $60 and he received a change of $2. If each game cost $3, how many computer games did he play?

Ans: _____ [5]

46 The figure below shows a triangle and a rectangle overlapping each other. The shaded area is a square. The area of the shaded part is $\frac{1}{8}$ of the area of the rectangle. Find the ratio of the unshaded area to the shaded area. (Express your answer in its simplest form.)



Ans: _____ [5]

47 Mrs Tan baked some muffins one morning. She put 12 in a bag and packed another 38 in a container. She sold $\frac{1}{5}$ of the remaining muffins to Mrs Rosnah and divided the rest among herself and 3 friends. She gave $\frac{1}{3}$ of her share to her children. If her children had 10 muffins, how many muffins did she bake that morning?

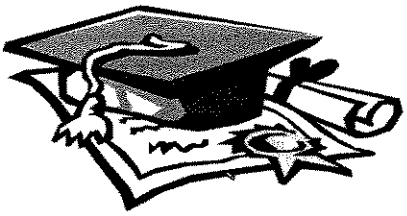
Ans: _____ [5]

48 The number of beads in Box A and Box B are in the ratio of 1 : 2. All the beads in Box A are green beads. In Box B, the ratio of the number of green beads to the number of yellow beads is 3 : 4. If there are 6 more green beads in Box A than in Box B, find the total number of green beads in both boxes.

Ans: _____ [5]

END OF PAPER

Setters: Ms Elaine Ho
Mdm Adeline Toh



ANSWER SHEET

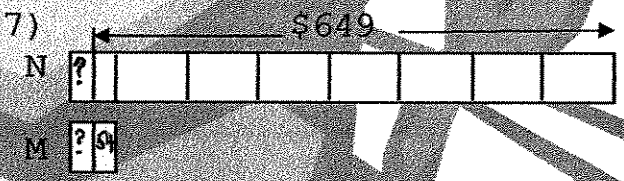
NANYANG PRIMARY SCHOOL - PRIMARY 5 MATHEMATICS 2007
SEMESTRAL ASSESSMENT (1)

1. 4
2. 1
3. 1
4. 2
5. 3
6. 2
7. 3
8. 3
9. 2
10. 3
11. 3
12. 1
13. 2
14. 1
15. 4
16. 200
17. 8034006
18. 57.95g
19. $14800
20. 8
21. 7/48
22. ¼
23. 1/6
24. 25:17
25. 336cm2
26. 24780
27. $4.70
28. 87
29. 12min
30. 4.15p.m

31) 105
32) 90
33) 361CM2
34) 94°
35) a) 54° b) 66°

36) 100-3=97
97-95=2->fail Maths only
97-30=67->fail Science only
97-2-67=28 pupils

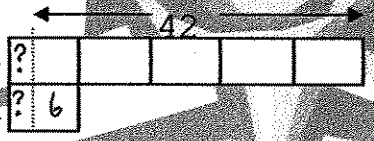
37)



7u=649-54=595
1u=595÷7=85
85-54=$31

38) a) 50-8=42
42÷7=6 years old

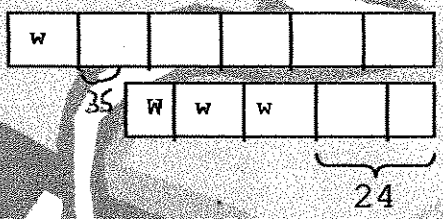
b)



4u=42-6=36
1u=36÷4=9
9-6=3 years

39) 120÷2=60
2u=60
1u=30
Ken + Mark=6u=6x30=180
Lotia=1/3 x180=60
Total 180+60=240
60:240
= 1:4

40)



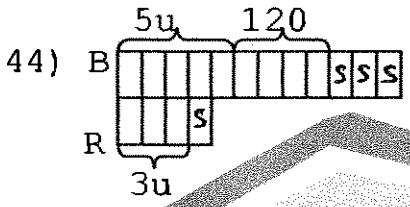
24/2x5=60
60+35=95
95/5x6=114
114-24=90 pages

41) pg 1 -100→19
Pg 101-200→19
Pg 201-254→15
19+19+15=53 pages

42) 3x3=9
9+4=13
234÷13=18
18x4=72 children

43) MQ=1/3x18=6cm
PQ=18-6=12cm
PS=PQ=12cm
½ x6x12=36cm2
½ x30x12=180cm2
½ x30x18=270cm2
270-36-180=54cm2

44)



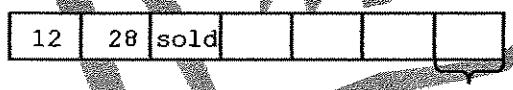
4u→120
Red sold=1u→120÷4=30
Blue sold=7u→7x30=210
Fraction= 30/210=1/7

45) $60-$2=$58
12x$3-$5=$27
$58-$31=$27
$27÷3=9games
9+12=21 games

46) Area of square =4x4=16cm2
Area of △ = ½ x12x11=66cm2
Area of rect=8x16=128cm2
Unshaded area=128+66-16-16=162cm2

Unshaded area	:	shaded area
= 162	:	16
= 81	:	8

47)



30

3x10=30
5x30=150
150+12+38=200 muffins.

48)

B		
Green	:	yellow
= 3	:	4
= 6	:	8 =14u

A	:	B
1	:	2
= 7	:	14

7u-6u=1u
1u=6 beads
7u+6u=13u
13u=13x6=78 beads.

AI TONG SCHOOL

2007

SEMESTRAL ASSESSMENT 1

PRIMARY 5

MATHEMATICS

DURATION : 2 h 15 min

DATE : 11 May 2007

INSTRUCTIONS

Do not open the booklet until you are told to do so.
Follow all instructions.
Answer all questions.

Name : _____ ( )

Class : Primary 5_____ **Marks:** 100

Parent's Signature : _____

Date : _____

Booklet A

Questions **1** to **10** carry **1** mark each. Questions **11** to **15** carry 2 marks each. For each question, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4). Shade the oval (1, 2, 3 or 4) on the Optical Answer Sheet. (20 marks)

---

1 An aeroplane travelled 69 570 km. Round off this distance to the nearest 1000 km.

(1) 69 000 km
(2) 69 500 km
(3) 69 600 km
(4) 70 000 km

2 Tina saves $57 a month. How much will she save in 2 years?

(1) $114
(2) $684
(3) $1140
(4) $1368

3 Which of the following fractions is **NOT** equivalent to $\frac{2}{3}$?

(1) $\frac{8}{12}$
(2) $\frac{10}{15}$
(3) $\frac{12}{18}$
(4) $\frac{14}{16}$

4 Which of the following fractions has the greatest value?

(1) $\frac{3}{4}$
(2) $\frac{4}{5}$
(3) $\frac{9}{10}$
(4) $\frac{11}{15}$

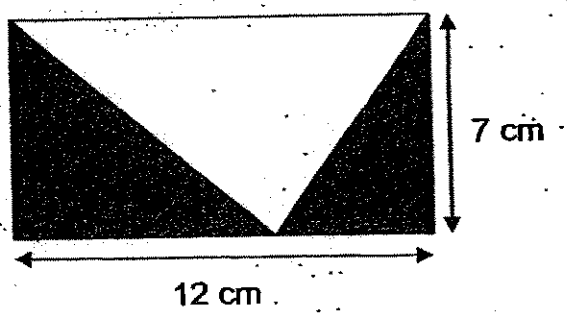
5 What is $\frac{3}{4}$ of 1 h 4 min?

(1) 16 min
(2) 45 min
(3) 48 min
(4) 78 min

6 Find the missing value in $3\frac{1}{2} + \boxed{?} = 7\frac{5}{8}$.

(1) $4\frac{1}{8}$
(2) $4\frac{2}{3}$
(3) $10\frac{3}{5}$
(4) $11\frac{1}{8}$

7 The figure shows a rectangle. What is the area of the shaded parts? (The figure is not drawn to scale.)



(1) 18 cm^2
(2) 24 cm^2
(3) 42 cm^2
(4) 84 cm^2

8 There are 48 pens and 64 pencils in a container. What is the ratio of the number of pencils to the number of pens?

(1) 2 : 3
(2) 3 : 2
(3) 3 : 4
(4) 4 : 3

9 What is the sum of the fourth multiple of 8 and the sixth multiple of 3?

(1) 50
(2) 48
(3) 14
(4) 11

10 What is 100 tens less than 1 million?

(1) 999 900
(2) 999 000
(3) 990 000
(4) 900 000

11 $\frac{2}{5}$ of Jack's mass is the same as $\frac{1}{3}$ of Peter's mass. Express Jack's mass as a ratio of their total mass.

(1) 3 : 8
(2) 5 : 6
(3) 5 : 11
(4) 6 : 11

12 There are 18 apples and 12 mangoes in a basket. What fraction of the fruits are mangoes?

(1) $\frac{1}{3}$
(2) $\frac{2}{3}$
(3) $\frac{2}{5}$
(4) $\frac{3}{5}$

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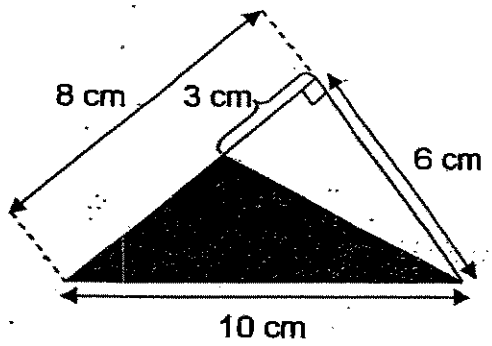
13 Tim spent $\frac{3}{5}$ of his pocket money and saved $\frac{1}{6}$ of the remainder. What fraction of the pocket money did he save?

(1) $\frac{1}{5}$
(2) $\frac{1}{10}$
(3) $\frac{1}{15}$
(4) $\frac{7}{20}$

14 Find the area of the shaded triangle.
(The figure is not drawn to scale.)



(1) 15 cm^2
(2) 24 cm^2
(3) 25 cm^2
(4) 30 cm^2

15 The marks Meiling and Sufang scored in an English test are in the ratio 3 : 5. If Meiling has 16 marks less than Sufang, how many marks did Meiling score?

(1) 24
(2) 40
(3) 48
(4) 80

Name: _____ ( ) Class: Primary 5 ( )

Booklet B

Questions **16** to **25** carry 1 mark each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (10 marks)

16 The value of the digit 8 in 487 653 is 8 x _____.

Ans : _____

17 Write nine million, six hundred and five thousand and seventy-three in figures.

Ans: _____

18 Evaluate 507 x 28.

Ans: _____

19 How many hours is $\frac{5}{12}$ of a day?

Ans: _____ h

20 Divide and express the answer in its simplest form.

$\frac{8}{10} \div 4$

Ans: _____

140
5

21 What fraction of $2\frac{1}{2}$ years is 10 months?

Express your answer in its simplest form.

Ans: _____

---

22 There are 1000 men and women at a party. 300 of them are women. What is the ratio of the number of men to the number of women at the party?

Ans: _____

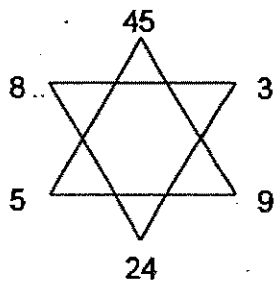
---

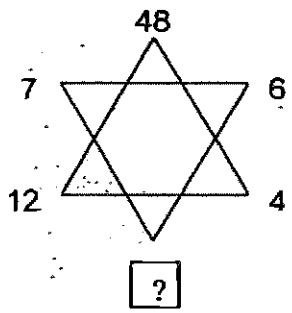
23 The ratio of the number of teachers to pupils at a kindergarten is 1 : 8. If there are 96 pupils, how many teachers are there?

Ans: _____

---

24 Study the number patterns below.





What is the missing number in the box?

Ans: _____

---

25 The product of two numbers is 7738. If the smaller number is 53, what is the bigger number?

Ans: _____

Questions **26** to **35** carry 2 marks each. Show your working clearly in the space below each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (20 marks)

26 The sum of two numbers is 204. The difference between the two numbers is 18. Find the larger number.

Ans: _____

27 182 black and white circles are arranged in the following pattern.

How many white circles are there altogether?

Ans: _____

28 Find the value of $85 + 10 \times (80 - 60) \div 4$.

Ans: _____

29 Mr Lee bought some chairs. $\frac{2}{5}$ of them were red. The remaining 36 chairs were white. How many chairs did he buy altogether?

Ans: _____

30 Siti had $8\frac{1}{3}$ m of ribbon. She cut out 3 pieces of ribbons measuring $1\frac{1}{2}$ m each to make flowers. Find the length of the ribbon left.

Ans: _____ m

---

31 What is the missing fraction in the series below?

$\frac{1}{4}$ ×2 ×2 [?] , $\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$

Ans: _____

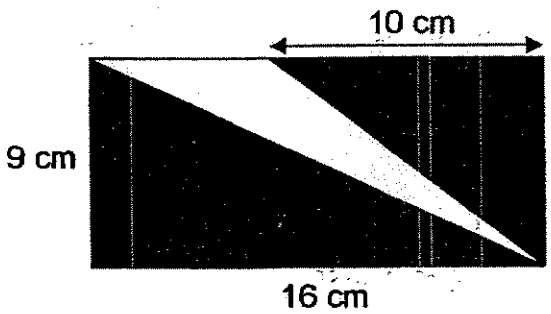
---

32 $\frac{4}{9}$ of a number is 32. What is $\frac{1}{6}$ of the number?

Ans: _____

---

33 Find the **unshaded** area of the rectangle below.
(The figure is not drawn to scale.)



Ans: _____ cm^2

---

34 A piece of wire of 140 cm long was cut into 2 pieces in the ratio 8 : 6. The shorter piece was bent to form a square. What is the length of the square?

Ans: _____cm

---

35 The ratio of May's mass to Nina's mass is 4 : 3. If May's mass is decreased by 6 kg and Nina's mass is increased by 1 kg, May will have the same mass as Nina. What is Nina's original mass?

Ans: _____kg

For questions **36** to **48**, show your working clearly in the space below each question and write your answers in the spaces provided. The number of marks awarded is shown in brackets [ ] at the end of each question or part-question. (50 marks)

36 Mary and her cousin had $400 altogether. After giving $15 to her cousin, Mary had as much money as her cousin. How much money did Mary's cousin have at first?

Ans: _____ [3]

37 Zach paid $210 for 84 markers. If the price of each marker decreased by $0.50, how many more markers could he buy with the money he had?

Ans: _____ [3]

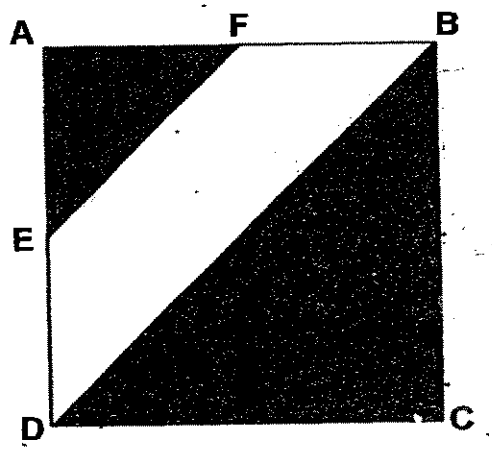
45/6

38 $\frac{3}{8}$ of the people at a concert were women and $\frac{3}{16}$ of them were children. If there were 420 men, how many women were there at the concert?

Ans: _____ [3]

---

39 The square ABCD of side 14 cm has the shaded area cut off.
E and F are the mid-points of the sides AB and AD respectively.
Find the area of the **unshaded** part of the square.
(The figure is not drawn to scale.)



Ans: _____ [3]

---

146 6

40 Ali had $189. He bought 6 DVD which cost him $18 each. Find the ratio of the amount Ali spent to the amount he had left.

Ans: _____ [3]

---

41 David saved $9 every day. After a number of days, he used all the money that he had saved to buy a few storybooks that cost $21 each.

(a) What was the least number of days that he needed to save in order to buy the storybooks?

(b) How many storybooks did he buy?

Ans: (a) _____ [2]

(b) _____ [1]

147/6

42 There were some markers in a box. $\frac{2}{5}$ of the markers were black and the rest were red. $\frac{5}{8}$ of the black and $\frac{2}{9}$ of the red markers were taken out from the box and there were 111 markers left in the box. How many markers were there in the box at first?

Ans: _____ [4]

---

43 David had some durians. He sold $\frac{2}{5}$ of them in the afternoon and $\frac{1}{2}$ of the remainder in the evening. There were 30 fewer durians sold in the evening than in the afternoon.

(a) How many durians did he sell in all?

(b) If he sold the durians at $5 each, how much money did he collect altogether?

Ans: (a) _____ [2]

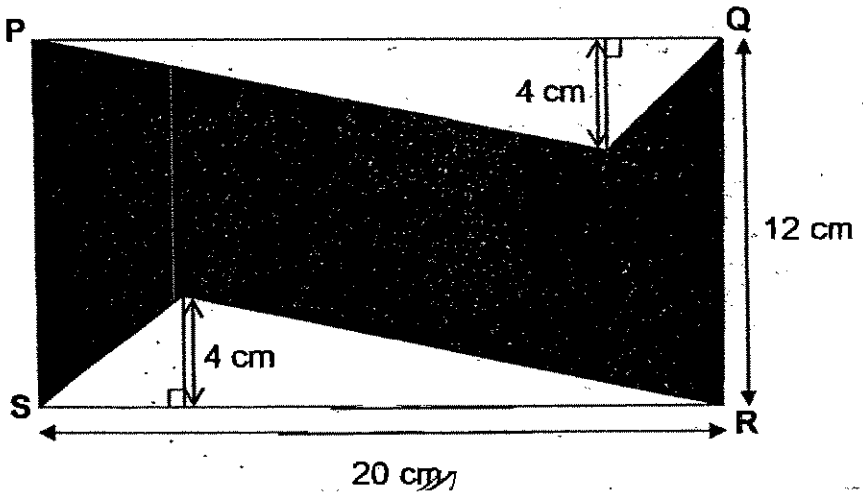
(b) _____ [2]

---

44 The figure below shows rectangle PQRS. (The figure is not drawn to scale.)

(a) Find the shaded area.

(b) What fraction of the rectangle is shaded?
(Express your answer in its simplest form.)



Ans: (a) _____ [3]

(b) _____ [1]

149

4

45 A group of people met at a party. Each person shook hands with everyone else. Mr Lee shook hands with 4 times as many men as women. Mrs Lee shook hands with 5 times as many men as women.
How many men and how many women were at the party?

Ans: _____ men

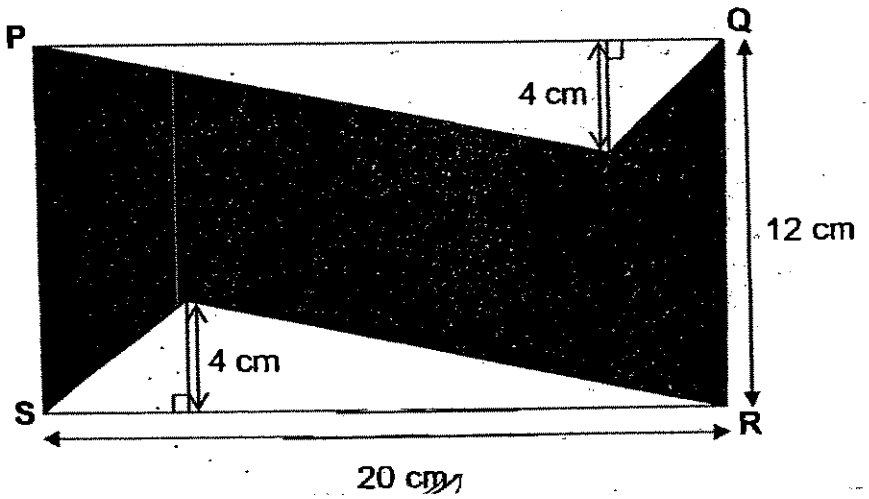
_____ women [5]

150
5

44 The figure below shows rectangle PQRS. (The figure is not drawn to scale.)

(a) Find the shaded area.

(b) What fraction of the rectangle is shaded?
(Express your answer in its simplest form.)



Ans: (a) _____ [3]

(b) _____ [1]

15

4

45 A group of people met at a party. Each person shook hands with everyone else. Mr Lee shook hands with 4 times as many men as women. Mrs Lee shook hands with 5 times as many men as women.
How many men and how many women were at the party?

Ans: _____ men

_____ women [5]

152
5

46 Wendy baked some muffins. She packed half the muffins equally into 6 tins and the other half equally into 8 boxes. There were 68 muffins in 2 tins and 3 boxes altogether. How many muffins did she bake?

Ans: _____ [5]

47 Alice read $\frac{1}{4}$ of a book on Thursday, $\frac{2}{9}$ of the remainder on Friday and 40 more pages on Saturday than on Friday. She read the last 110 pages on Sunday.

(a) How many pages were there in the book?

(b) What fraction of the book did she read on Saturday?
(Express your answer in its simplest form.)

Ans: (a) _____ [3]

(b) _____ [2]

154/5

48 Two families went to a restaurant for a buffet dinner last Sunday. The table shows the number of people who went for the dinner and the amount of money paid.

	Tan Family	Koh Family
Number of adults	3	?
Number of children	3	1
Total amount paid	$180	$240

The amount each adult paid and the amount each child paid was in the ratio 3 : 1 for the buffet dinner.

(a) How much did each child pay?

(b) Find the number of adults in the Koh family who went for the buffet dinner.

Ans: (a) _____ [2]

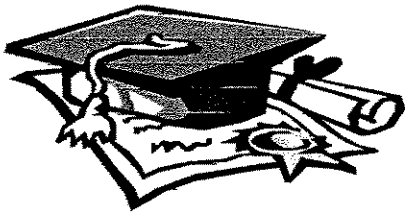
(b) _____ [3]

155

5

End of Paper

— CHECK YOUR WORK CAREFULLY —



ANSWER SHEET

AI TONG PRIMARY SCHOOL - PRIMARY 5 MATHEMATICE 2007
SEMESTRAL ASSESSMENT (1)

1. 4
2. 4
3. 4
4. 3
5. 3
6. 1
7. 3
8. 4
9. 1
10. 2
11. 3
12. 3
13. 3
14. 1
15. 1
16. 10000
17. 9605073
18. 14196
19. 10h
20. 1/5
21. 1/3
22. 7:3
23. 12 teachers
24. 42
25. 146
26. 111
27. 46 white circles
28. 135
29. 60 chairs
30. $3\frac{5}{6}$ m
31. 3/8
32. 12
33. 27cm2

34) 15cm

35) 21kg

36) 400÷2=200
200-15=$185

37) $210÷84=$2.50
$2.50-$0.50=$2
$210÷$2=$105
105-84=21 more markers

38) 3/8+3/16=6/16+3/16=9/16
16-9=7
420÷7=60
60x6=360 women

39) ½ x7x7=24 ½ cm2
½ x14x14=98cm2
98-24 ½ =73 ½ cm2

40) 4:3

41) a) 7 days
b) $63÷$21=3 storybooks

42) 180 markers

43) a) 210 durians b) $1050

44) a) 160cm2 b) 2/3

45) 25 men 6 women

46) 192 muffins

47) a) 360 pages b) 5/18

48) a) $15 b) 5 adults

Nan Hua Primary School
Semestral Assessment 1 - 2007
Mathematics
Primary Five

Name: _____ ( ) Marks: ___/100

Class: Primary 5 ____

Date: 8 May 2007

Duration: 2h 15min

_____
Parent's Signature

Section A (20 marks)

Questions 1 to 10 carry 1 mark each. Questions 11 to 15 carry 2 marks each. For each question, four options are given. One of them is the correct answer. Shade the correct oval on the Optical Answer Sheet (OAS).

1. What is the value of the digit '8' in 5 489 214?

(1) 8 000
(2) 80 000
(3) 800 000
(4) 8 000 000 ( )

2. Find the value of 6 – 3 x 2 + 2

(1) 12
(2) 2
(3) 8
(4) 4 ( )

3. John has $232 005. Round off this amount to the nearest ten thousand dollars.

(1) $220 000
(2) $230 000
(3) $232 000
(4) $240 000 ( )

4. Which of the following fraction is the **smallest**?

(1) $\frac{1}{2}$

(2) $\frac{1}{3}$

(3) $\frac{2}{9}$

(4) $\frac{2}{7}$ ( )

5. $\frac{1}{3} + \frac{1}{3} + \frac{1}{3} + \frac{1}{3} + \frac{2}{3} = \frac{2}{3} \times \square$

The missing number in the box is _____.

(1) 6
(2) 5
(3) 3
(4) 4 ( )

6. The height of Mrs Samad is about _____.

(1) 160 m
(2) 1.6 m
(3) 16 cm
(4) 1.6 cm ( )

7. In a class, $\frac{1}{3}$ of the pupils are Malays and $\frac{2}{5}$ of them are Chinese. What fraction of the class is made up of pupils from other races ?

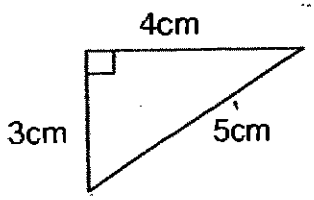
(1) $\frac{1}{6}$
(2) $\frac{2}{3}$
(3) $\frac{3}{4}$
(4) $\frac{4}{15}$ ( )

8. 15 : 3 : 27 = 5 : 1 : $\square$

What is the missing number in the box?

(1) 7
(2) 5
(3) 3
(4) 9 ( )

9. Find the area of triangle shown below.



(1) 6 cm²
(2) 7.5 cm²
(3) 12 cm²
(4) 20 cm² ( )

10. How many 2-cm cubes can fill up a box measuring 2cm by 4cm by 6cm?

(1) 24
(2) 12
(3) 6
(4) 4 ( )

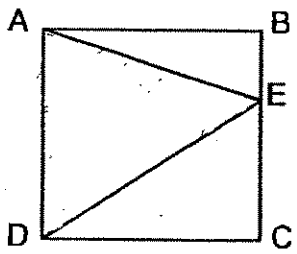
11. 13 + 80 ☐ 40 ÷ 5 = 85. What is the missing operation in the box?

(1) +
(2) −
(3) ×
(4) ÷ ( )

12. $\frac{2}{3}$ of a number is 18. What is the number?

(1) 12
(2) 18
(3) 27
(4) 36 ( )

13. ABCD is square.
Given that BC is 12 cm, what is the area of triangle AED?



(1) 12 cm²
(2) 24 cm²
(3) 36 cm²
(4) 72 cm² ( )

14. The shortest side of a triangle is 4cm.
What is the perimeter of the triangle if the ratio of the 3 sides is 2 : 3 : 5 ?

(1) 10 cm
(2) 20 cm
(3) 30 cm
(4) 40 cm ( )

15. Leo and Mandy shared some game cards in the ratio of 7 : 3.
When Leo gave Mandy 16 game cards, he found that they each had the same number of cards. How many game cards did Mandy have at first ?

(1) 56
(2) 28
(3) 24
(4) 12 ( )

Nan Hua Primary School
Semestral Assessment 1 - 2007
Mathematics - Primary Five
Booklet B

Name: _____( ) Class: Pr 5 ____ Marks : _____/80

Section B (30 marks)

Questions 16 to 25 carry 1 mark each. Questions 26 to 35 carry 2 marks each. For each question from 26 to 35, show your workings clearly in the space below it and write your answer in the space provided. Give your answers in the units stated.

16. What is the sum of $2\frac{5}{9}$ and $1\frac{1}{3}$?

Ans : _____

17. Subtract $\frac{4}{7}$ from $4\frac{1}{2}$.

Ans: _____

18. How many quarters are there in $4\frac{1}{2}$?

Ans: _____

19. Complete this number pattern:

17, 18, 20, 23, ____ ___, 32

Ans : _____

20. What is $\frac{3}{10} \div 3$?

Ans: _____

21. Divide 2 340 by 15. Round off the quotient to the nearest 100.

Ans: _____

22. What is the volume of a cube of side 5 cm ?

Ans : _____ cm^3

23. Kitty had $6\frac{3}{4}$ kg of flour. She packed 75 g of it into each plastic bag and sealed each bag. How many bags did he use ?

Ans: _____ bags

24. Use the following digits to form the **smallest** possible 5-digit number and the digit '5' must be in the **thousands** place.

1	2	5	9	0

Ans: _____

25. A and B are two different whole numbers whereby

$$\begin{array}{r} AB \\ \times\ AB \\ \hline 144 \\ \hline \end{array}$$

What is digit **A** ?

Ans : _____

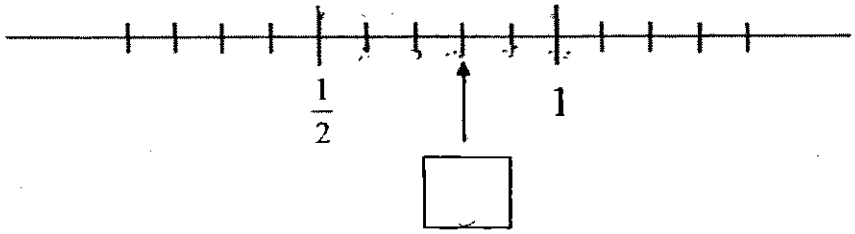
26. What is the value of 1 + 2 + 3 + ... + 49 ?

Ans: _____

27. 5 men can paint a house in 2 days. How many men are required to paint 2 such houses in a day?

Ans: _____ men

28. Fill in the missing fraction. Leave your answer in its simplest form.



Ans : _____

29. What fraction of 2ℓ is 100 mℓ? Give your answer in its simplest form.

Ans : _____

30. Express $2\frac{2}{3}$ h in hours and minutes.

Ans : _____ h _____ min

31. Express $\frac{12}{5}$ km in kilometres and metres.

Ans : _____ km _____ m

32. $\frac{2}{5}$ of the pupils in a school are girls.
If there are 800 girls, how many more boys than girls are there in the school?

Ans : _____ more

33. If a photocopier prints 400 sheets of paper in half an hour, how many sheets of paper can it print in 15 minutes?

Ans : _____ sheets

34. Tammy is $\frac{2}{5}$ of her mother's age. The sum of their ages is 70 years. How old is Tammy?

Ans : _____ yrs old

35. $\frac{3}{4}$ of a tank is filled when 24 litres of water are poured into it.
What is the capacity of the tank?

Ans : _____ ℓ

Section C (50 marks)

For each question from 36 to 48, show your workings clearly in the space below it and write your answer in the space provided. The number of marks available is shown in brackets [ ] at the end of each question or part-question. Remember to include the units wherever possible.

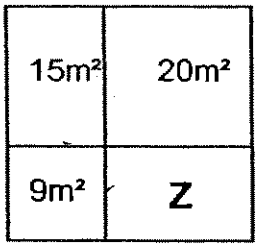
36. Susan had \$27. She spent $\frac{1}{3}$ of her money on food and $\frac{2}{3}$ of the remainder on transport. How much money had she left?

Ans: _____ [3]

37. I spent exactly \$1 for some 5¢ stamps and some 13¢ stamps. How many 5¢ stamps did I buy?

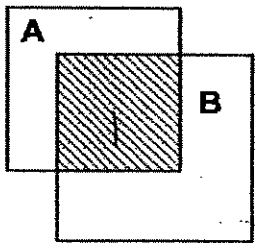
Ans: _____ [3]

38. The figure below, not drawn to scale, shows a rectangle divided into 4 parts. Find the area of Z.
(Hint: All the dimensions are in whole numbers)



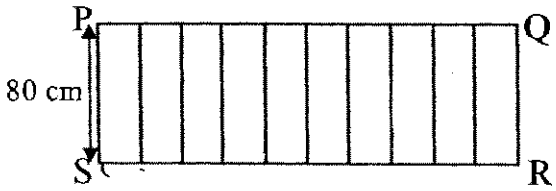
Ans : _____[3]

39. The figure below consists of 2 squares A and B overlapping each other. The ratio of area of square A to area of square B is 2 : 3 . If $\frac{1}{3}$ of B is shaded, what is the ratio of the shaded part to the unshaded part ?



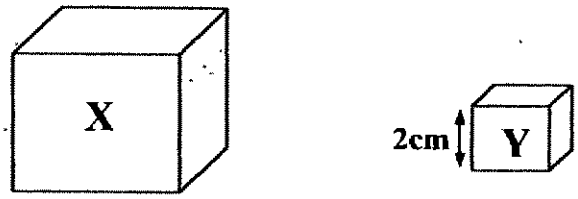
Ans:_____[3]

40. Rectangle PQRS has an area of 11 200 cm². If it can be divided into 10 equal rectangles as shown in the diagrams, what is the breadth of each of the 10 rectangles ? The figure is not drawn to scale.



Ans: _____ [3]

41.



The ratio of the volume of cube X to that of cube Y is 8 : 1.
What is their difference in volume?

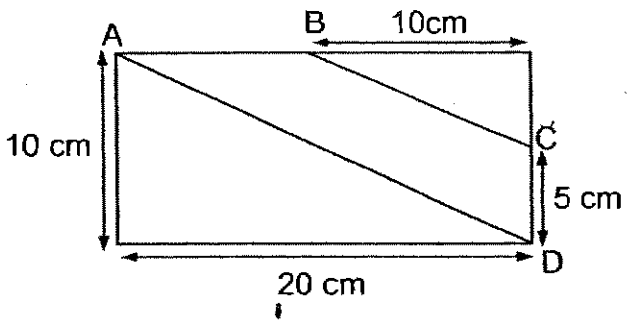
Ans: _____ [3]

171

42. After selling 40 ducks and buying 65 chickens, a farmer had 24 more ducks than chickens. If he had 159 ducks and chickens at first, how many ducks did he have at first?

Ans : _____ [4]

43. Study the rectangle below. Express the area of ABCD as a fraction of the whole figure in the simplest form. The figure is not drawn to scale.



Ans: _____[4]

44. Jack and Kate shared some cards in the ratio of 5 : 4. In a game, Kate lost half of her cards to Jack. Jack then had 35 cards.

(a) How many cards did Kate lose to Jack ?
(b) How many cards did they have altogether ?

Ans: (a)_____[2]

Ans: (b)_____[2]

45. A total of 20 boys and girls sold tickets for a charity show. Each ticket was sold at $5. Each boy sold 5 tickets and each girl sold 3 tickets. If the amount collected by the boys was $20 more than the amount collected by the girls,

(a) how many girls were there in the group?

(b) how many tickets were sold altogether?

Ans: (a) _____ [3]

Ans: (b) _____ [2]

46. $\frac{1}{4}$ of May's savings was equal to $\frac{2}{5}$ of Alice's savings. However, when Alice increased her savings by $35 and May spent $67, they had equal amount of money in their savings. How much money did Alice have finally?

Ans: _____ [5]

47. The seats in the auditorium of Eastside School are labelled as follows:

Front

Row 1:				1					
Row 2:			3		5				
Row 3:		7		9		11			
Row 4:	13		15		17		19		
Row 5:	21	23		25		27		29	

The rest of the seats follow the same pattern.

(a) I am in the middle seat of row 9. What seat am I in?

(b) Joe is in seat 65. What row is he in?

(c) Lou is in seat 169. What row is he in?

Ans: (a)_____ [1]

Ans: (b)_____ [2]

Ans: (c)_____ [2]

177

48. Alicia had some sweets. She kept $\frac{1}{2}$ the candies plus 6 sweets for herself. She gave the remaining to Benny. Benny kept $\frac{1}{2}$ of his share plus 7 sweets and gave the remainder to Carol. Carol ate $\frac{1}{3}$ of his share and had 8 sweets left.

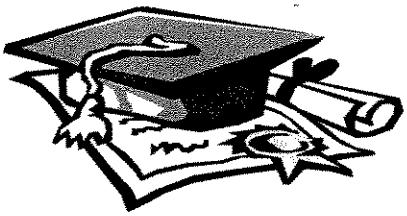
(a) How many sweets did Carol get ?
(b) How many sweets did Alicia have at first ?

Ans: (a) _____ [3]

Ans: (b) _____ [2]

End-of-Paper

178



ANSWER SHEET

NAN HUA PRIMARY SCHOOL - PRIMARY 5 MATHEMTICS 2007
SEMESTRAL ASSESSMENT (1)

1. 2
2. 2
3. 2
4. 3
5. 3
6. 2
7. 4
8. 4
9. 1
10. 3
11. 2
12. 3
13. 4
14. 2
15. 3
16. $3\frac{8}{9}$
17. $3\frac{13}{14}$
18. 18
19. 27
20. 1/10
21. 200
22. 125cm3
23. 90 bags
24. 15029
25. 1
26. 1225
27. 20
28. 4/5
29. 1/20
30. 2h40min

31) 2km400m

32) 400 more

33) 200 sheets

34) 20 yrs old

35) 32L

36) (food) 1/3 of $27→$27÷3=$9
left→$9x2=$18
total left→$18x1/3=$6
She had $6 left.

37) I bought 75¢ stamps

38) Big x small =15m2
The only number are 5 & 3
check→5mx3m=15m2
if one side is 3m, then
3mx3m=9m2
if one side is 5m, then
5mx4m=20m2
3mx4m=12m2
The area of Z is 12m2

39) 1/3 of square B is shaded,
1 unit of square B=1 unit of square A.
we can tell→ ½ of square A is shaded.
shaded: unshaded
1 : 3
The ratio is 1 : 3

40) PQRS breadth→80cm
PQRS area→11200cm2
Area of each small rec→11200cm2÷10=1120cm2
Breath of each→80cmx14cm=1120cm2
The breath of each of the 10 rectangle is 14cm

41) Volume of cube y→2cmx2cmx2cm=8cm3
Difference in volume→7x8=56cm3
Their difference in volume is 56cm3

42) 2 units→159-65-24-40=30
1 unit→30÷2=15
Ducks at first→15+65+24+40=144
The farmer had 144 ducks at first.

43) Area of the rectangle→10cmx20cm=200cm2
Area of J→ ½ 20cmx10cm=100cm2
Area of K→ ½ x10cmx5cm=25cm2
Area of ABCD→200cm2-100cm2-25cm2=75cm2
Fraction→75/200=15/40=3/8
The fraction is 3/8

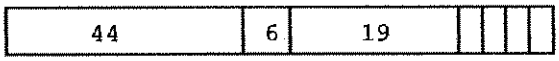
44) a) 1 unit→35÷7=5
Kate lost→5x2=10
Kate lost 10 cards.
b) total cards→9x5=45
The had 45 cards altogether.

45) a) There were 12 girls in the group.
b) Boys→8x5=40
Girls→12x3=36
36+40=76
76 tickets were sold altogether.

46) 3 units→$35+$67=$102
1 unit →$102÷ 3=$34
Alice finally had→($34x5)+35=$205
Alice had $205 finally.

47) a) I am in seat 81
b) Joe is in Row 8
c) Lou is in Row 13

48) a)



2u=8
1u=4
3u=12
Corol got 13 sweets

b) 12+7=19
19+19+6=44
44+44=88 sweets
Alicia had 88 sweets at first.

---end---

Rosyth School
First Semestral Assessment 2007
Mathematics
Primary 5

Total 100

Name: _____

Class: Pr 5-_____ Register No. _____ Duration: 2 hr 15 min

Date: 11 May 2007 Parent's Signature: _____

Instructions to Pupils:
1. Do not open this booklet until you are told to do so.
2. Follow all instructions carefully.
3. This paper consists of 3 sections, Section A, B and C.
4. For questions 1 to 15 in Section A, shade the correct ovals on the Optical Answer Sheet (OAS).
5. ANSWER ALL THE QUESTIONS.

	Maximum	Marks Obtained
Section A	**20**	
Section B	**30**	
Section C	**50**	
Total	**100**	

* This paper consists of ____19____ pages altogether.

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Section A

Questions **1** to **10** carry **1 mark each**. Questions **11** to **15** carry **2 marks each**.
For each question, four options are given. One of them is the correct answer.
Make your choice (1, 2, 3 or 4).
Shade the correct oval (1, 2, 3 or 4) on the Optical Answer Sheet. **(20 marks)**

---

1. What is the value of the digit **8** in 980 036?

   (1) 80 000

   (2) 8 000

   (3) 800

   (4) 80

2. There are _____ hundreds in 1 million.

   (1) 100

   (2) 1 000

   (3) 10 000

   (4) 100 000

3. Round off 7 545 089 to the nearest thousand.

   (1) 7 540 000

   (2) 7 545 000

   (3) 7 546 000

   (4) 7 550 000

4. Find the value of 42 + (139 - 19) ÷ 6 x 2

   (1) 52

   (2) 54

   (3) 82

   (4) 124

5. Find the value of $6\frac{5}{7} - 1\frac{1}{7}$.

(1) $5\frac{4}{7}$

(2) $5\frac{6}{7}$

(3) $6\frac{4}{7}$

(4) $7\frac{6}{7}$

6. Express $\frac{3}{8}$ day in hours.

(1) 9h

(2) 8h

(3) 3h

(4) 4h

7. How many sixths are there in $2\frac{1}{6}$?

(1) 12

(2) 13

(3) 3

(4) 21

8. $\square$: 6 = 28 : 42

What is the missing number in the box?

(1) 7

(2) 6

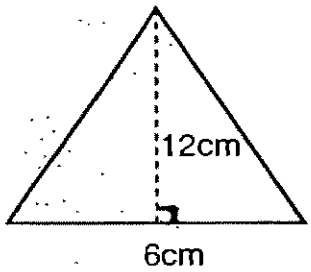
(3) 5

(4) 4

9. There are 30 buttons in a box. 10 buttons are black and the rest are white. What is the ratio of the black buttons to the white buttons?

(1) 1 : 2
(2) 1 : 3
(3) 2 : 1
(4) 3 : 1

10. What is the area of the triangle below?



(1) 9 cm^2
(2) 18 cm^2
(3) 36 cm^2
(4) 72 cm^2

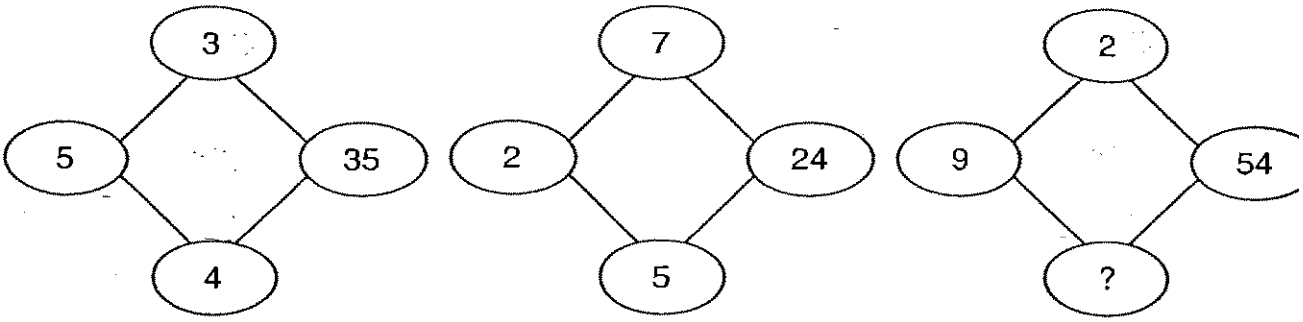
11. The area of a floor covered in square tiles is 1250 cm^2 . The length of each square tile is 5 cm. How many square tiles are there covering the floor?

(1) 50
(2) 63
(3) 125
(4) 250

12. If Gary packed 40 apples into each crate, what was the minimum number of crates he needed to pack 4860 apples?

(1) 121
(2) 122
(3) 123
(4) 124

13.



What is the missing number?

(1) 5

(2) 6

(3) 3

(4) 4

14. The ratio of Megan's age to Tony's age is 5 : 6. Their total age is 66 years. How old is Megan?

(1) 11 years old

(2) 30 years old

(3) 36 years old

(4) 55 years old

15. A piece of wire $\frac{4}{5}$ m long is cut into 6 equal pieces. Alice used 3 pieces to tie some presents. What fraction of the wire did she use altogether?

(1) $\frac{1}{15}$ m

(2) $\frac{1}{5}$ m

(3) $\frac{2}{15}$ m

(4) $\frac{2}{5}$ m

Rosyth School
First Semestral Assessment 2007
Mathematics
Primary 5

Name: _____

Class: Pr 5-_____ Register No._____

Date: 11 May 2007 Parent's Signature: _____

BOOKLET B

Instructions to Pupils:
1. Do not open this booklet until you are told to do so.
2. Follow all instructions carefully.
3. This booklet consists of 3 sections.
4. For questions 26 to 50, show all relevant working in the spaces provided.
5. ANSWER ALL THE QUESTIONS.

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Section B

Questions **16** to **25** carry **1 mark each.**
Write your answers in the spaces provided.
For questions which require units, give your answers in the units stated. (10 marks)

16. A school's population is 2 904. Round off this number to the nearest thousand.

Ans: _____(1m)

17. Write the following in numerals:

Five hundred and seven thousand and thirty-three.

Ans: _____ (1m)

18. $162 \times 15 = 162 \times 10 +$ ☐
What is the missing number in the box?

Ans: _____(1m)

19. What is the remainder when 2020 is divided by 8?

Ans: _____(1m)

20. Express 1 390 m as a fraction of 2 km.

Ans: _____(1m)

21. Find the value of $2\frac{3}{5} + 1\frac{7}{9}$

Ans: _____(1m)

22. Ben was told to guess a number. He guessed the number to be 8.
His guess is $\frac{1}{4}$ of the actual number. What is the actual number?

Ans: _____ (1m)

23. 10 girls received $\frac{1}{4}$ kg of strawberries each.

What is the total weight of strawberries in kg?
(Express your answer in its simplest form)

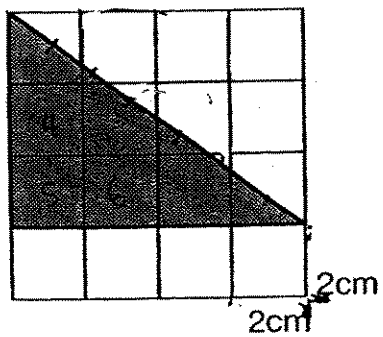
Ans: _____ kg (1m)

24. Henry bought 60m of ribbon. He gave away $\frac{3}{4}$ of the ribbon to Kelly.

How many metres of the ribbon did he give away?

Ans: _____ m (1m)

25.



What is the area of the shaded triangle? Ans: _____ cm^2 (1m)

Questions **26** to **35** carry **2 marks each**. Show your working clearly in the space below each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (20 marks)

26. Molly has $356. Jay has $154. How much money must Molly give to Jay so that each of them will have the same amount of money?

Ans: $_____ (2m)

27. A papaya is as heavy as two oranges of equal mass. If the mass of each orange is 160g, find the mass of 3 such papayas.

Ans: _____ g (2m)

28. $\frac{1}{2}$ kg of mutton costs $2. 1kg of prawns costs $3.50.
Mother bought 3kg of prawns and 3 kg of mutton.
How much did she spend altogether?

Ans: $_____ (2m)

29. When Sarah opens a book, the sum of the facing page numbers is 273. What is the smaller page number?

Ans: _____ (2m)

30. Roy and Lin had the same amount of money. When he spent four times as much as Lin, he had $22 left while she had $49 left. How much did Lin have at first?

Ans: $_____ (2m)

31. Bala gave $\frac{2}{5}$ of his stamps to his brother and $\frac{1}{3}$ of the remainder to his sister. He had 10 stamps left. How many stamps did he have at first?

Ans: _____ (2m)

32. The area of a rectangle is 72 cm^2. Its length is 18 cm. What is the ratio of the length to its breadth? (Express your answer in its simplest form.)

Ans: _____ (2m)

33. A rabbit weighs $\frac{7}{8}$ kg. A hamster is $\frac{1}{2}$ of the mass of the rabbit.

What is the total mass of the two animals?

(Express your answer as a mixed number in its simplest form.)

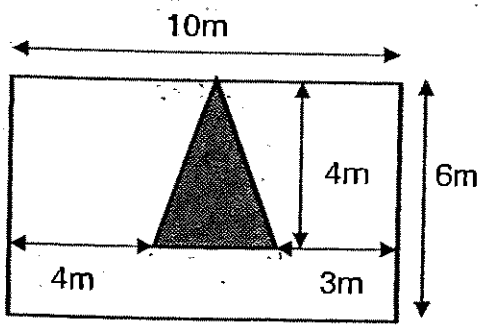
Ans: _____ kg (2m)

34. The number of chickens and ducks on a farm is in the ratio of 4 : 7.

There are 21 more ducks than chickens. How many chickens and ducks are there altogether?

Ans: _____ (2m)

35.



The figure above is not drawn to scale.
Find the area of the **unshaded** part in the figure.

Ans: _____ m^2 (2m)

Section C (50 marks)
For questions 36 to 48, show your working clearly in the space below each question and write your answers in the spaces provided.
The marks for each question or part-question is shown in brackets ( ) at the end of each question.

---

36. $\frac{3}{5}$ of pupils in a school wear watches. $\frac{1}{4}$ of those who wear watches are girls. If there are 150 girls who wear watches, how many children in school **do not** wear watches?

Ans : _____ (3m)

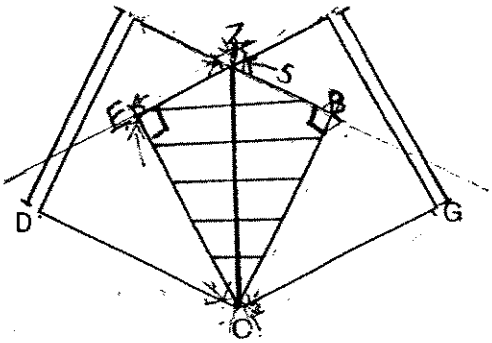
---

37. Jill had 150 stamps. She kept half of them and shared the rest between Grace and Ahmad in the ratio 2 : 3. How many stamps did Ahmad receive?

Ans : _____ (3m)

---

38. The figure below (not drawn to scale) consists of two overlapping squares ABCD and EFGC each of side 10 cm. AZ = ZF = 5 cm. Find the area of the unshaded part.



Ans : _____(3m)

---

39. Minah bought 5 boxes of biscuits and 4 boxes of chocolates for $46. If a box of chocolates cost $2.50 more than a box of biscuits, how much would one box of chocolates cost?

Ans : _____(3m)

---

40. Ian, Jean and Ken shared some stickers. Ian received $\frac{1}{5}$ of the stickers. Jean and Ken shared the remaining number of stickers in the ratio 3 : 1. If Jean received 90 stickers more than Ken, how many stickers were there?

Ans : _____ (3m)

41. A pair of jeans cost 3 times as much as a skirt. Geraldine spent $\frac{3}{5}$ of her money on some skirts and half of her remaining money on a pair of jeans. How many skirts did she buy?

Ans : _____ (3m)

42. Ji Chang could buy 8 plums and 5 mangoes with $8.00. He could buy 16 such plums with the same amount of money. If he decides to buy mangoes only, how many mangoes can he buy with $100?

Ans : _____ (4 m)

43. Box A and Box B contained only red and black pens. In Box A, the ratio of the number of red pens to the number of black pens was 3 : 2. In Box B, the ratio of the number of red pens to the number of black pens was 1 : 2. There were 3 times as many pens in Box A as in Box B. If there were 135 pens in Box A, what was the ratio of the number of red pens in Box A to the number of black pens in Box B? Give your answer in its simplest form.

Ans : _____ (4 m)

44. Hamish won ~~$30 000~~ $1400 in a contest. He kept $\frac{1}{4}$ of it and gave the remainder to his wife, sister and brother. His wife received $\frac{2}{3}$ of the money, his sister received $\frac{1}{4}$ of it and his brother received the rest.

a) How much did his wife receive?

b) What is the ratio of his wife's share to his brother's share?

Ans : (a) _____ (2 m)

(b) _____ (3 m)

45. 40 pupils shared a certain number of pencils. Each girl received 6 pencils and each boy received 7 pencils.
If the boys received 72 more pencils than the girls,

a) how many boys were there?

b) how many girls were there?

Ans : (a) _____ (3 m)

(b) _____ (2 m)

200

46. Mrs Siva has some stamps. If she gives 7 stamps to each of her pupils, she will have 5 stamps left. If she gives 13 stamps to each of her pupils, she will need 61 more stamps ~~more~~.

a) How many pupils does she have?

b) How many stamps does she have?

Ans : (a) _____ (3 m)

(b) _____ (2 m)

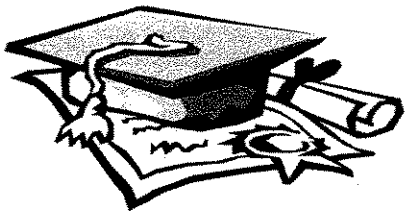
47. There are some coins in a piggy bank. $\frac{1}{4}$ of the total number of coins is 20 cents coins, $\frac{1}{2}$ of the remainder is 50 cents coins and the rest is 10 cents coins. The total value of the coins is $11. How many coins are there in the piggybank?

Ans : _____ (4 m)

48. Nelson and Wei Ying had some Pokemon cards. Nelson gave $\frac{1}{3}$ of his cards to Wei Ying. In return, Wei Ying gave $\frac{1}{4}$ of the cards she had to Nelson. Later, Nelson gave $\frac{1}{5}$ of the cards to Wei Ying. In the end, Nelson had 380 cards and Wei Ying had 662 cards. How many cards did Nelson have at first?

Ans : _____ (5 m)

End of Paper
Please check your work carefully



ANSWER SHEET

ROSYTH PRIMARY SCHOOL - PRIMARY 5 MATHEMATICS 2007
SEMESTRAL ASSESSMENT (1)

1. 1
2. 3
3. 2
4. 1
5. 1
6. 1
7. 2
8. 4
9. 1
10. 3
11. 1
12. 2
13. 4
14. 2
15. 4
16. 3000
17. 507033
18. 810
19. 4
20. 139/200
21. $4\frac{17}{45}$
22. 32
23. 2 ½ kg
24. 45m
25. 24cm2
26. $101
27. 960
28. $22.50
29. 136
30. $58

31) 25 stamps
32) 9:2
33) $1\frac{5}{16}$kg
34) 77
35) 54cm2
36) 400 children
37) 45 stamps
38) 100cm2
39) $6.50
40) 225 stickers
41) 9 skirts
42) 125 mangoes
43) 27:10
44) a) 2400÷2=1200
His wife received $1200
b) 1200÷8=150
1200:150
=120:15
=24:3
=8:1
The ratio of his wife's share to his brother's share is 8:1

45) a) There are 24 boys
b) There are 16 girls

46) a) 13-7=6
61+5=66
66÷6=11
She has 11 pupils
b) 7x11=77
77+5=82
She has 82 stamps

47) 15+15=30
30+10=40
The are 40 coins in the piggy bank.

48) 380÷4=95 (1/5)
662-95=567 (wY)
380+95=475 (N)
567÷3=189 (¼)
475-189=286 (N)
567+286=853 (WY)
286÷2=143 (1/3)
853-143=710 (WY)
286+143=429 cards.

---end---

Name : _____( ) **Date:** _____

Class : Primary 5(SY)C/G/SE/P **Time : 2 h 15 min**

SINGAPORE CHINESE GIRLS' SCHOOL

FIRST SEMESTRAL ASSESSMENT 2007

PRIMARY 5 EM 1/2

MATHEMATICS

BOOKLET A

15 Questions

20 Marks

Total Time For Booklets A and B : 2 h 15 mins

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.

FOLLOW ALL INSTRUCTIONS CAREFULLY.

ANSWER ALL QUESTIONS.

SINGAPORE CHINESE GIRLS' SCHOOL
FIRST SEMESTRAL ASSESSMENT 2007
MATHEMATICS

Name : _____ ( ) **Date :** _____
Class : Primary 5 SY / C / G / SE / P **Time : 2 hr 15 min**

Booklet A (20 marks)

Questions 1 – 10 carry 1 mark each. Questions 11 – 15 carry 2 marks each.

For each question, 4 options are given. One of these is the correct answer. Make your choice (1, 2, 3 or 4). Shade the correct oval in the Optical Answer Sheet (OAS).

1. In 4 520 386, the value of the digit 5 is _____.

(1) 5 × 100 (3) 5 × 10 000

(2) 5 × 1000 (4) 5 × 100 000

2. Express 20 minutes as a fraction of 1 hour.

(1) $\frac{1}{2}$ (3) $\frac{1}{4}$

(2) $\frac{1}{3}$ (4) $\frac{1}{5}$

3. The highest common factor of 18 and 27 is _____.

(1) 6 (3) 3

(2) 2 (4) 9

4. Father weighs 71kg. I am 19kg lighter than him. What is our total mass?

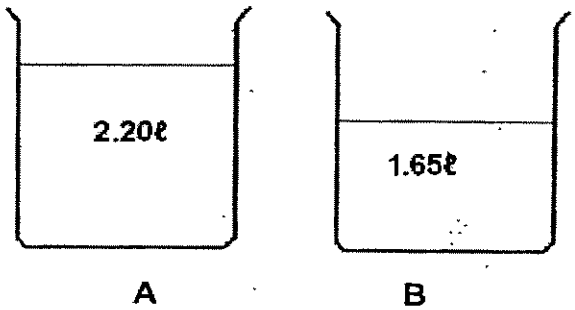
(1) 52 kg (3) 123 kg

(2) 90 kg (4) 132 kg

5. Ai Lee has a piece of string 3 m long. She uses 35 cm of it to tie a parcel. What is the **maximum** number of such parcels she can tie?

(1) 5 (3) 8

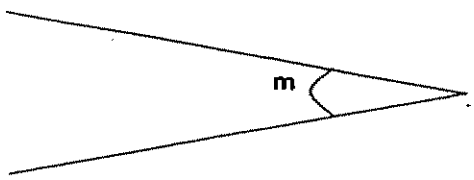
(2) 7 (4) 10



6. Beaker A has _____more water than Beaker B.

(1) 505 mℓ (3) 1505 mℓ

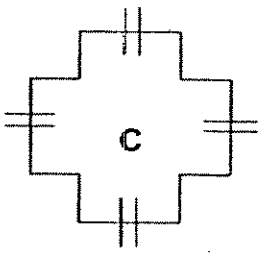
(2) 550 mℓ (4) 1550 mℓ



7. In the figure above, $\angle$ **m** is

(1) between 40° and 60° (3) between 120° and 140°

(2) between 80° and 100° (4) between 180° and 210°



8. Figure C has _____ lines of symmetry.

(1) 1
(2) 2
(3) 3
(4) 4

9. Chloe saves $15 and Rachel saves $50. What is the ratio of Chloe's savings to Rachel's savings?

(1) 3 : 10
(2) 3 : 15
(3) 5 : 25
(4) 5 : 50

10. Which of the following is **not** an equivalent ratio of 3 : 4 : 5?

(1) 4 : 5 : 6
(2) 6 : 8 : 10
(3) 9 : 12 : 15
(4) 12 : 16 : 20

11. The best estimate for 4 561 × 213 is _____.

(1) 800 000
(2) 1 000 000
(3) 1 200 000
(4) 1 500 000

12. The cost of 6 similar T-shirts is $96. Find the cost of 9 such T-shirts.

(1) $54
(2) $84
(3) $144
(4) $196

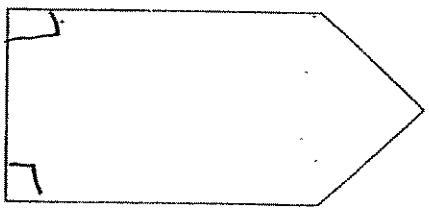
13. 180 girls were asked to name their favourite movie.
The table below represents their responses.

Movie Title	Number
High School Musical	86
Matilda	7
Harry Potter	38
The Cheetah Girls	49

Which 2 movie titles have a difference of 48 in the number of response?

(1) High School Musical and The Cheetah Girls
(2) The Cheetah Girls and Harry Potter
(3) High School Musical and Harry Potter
(4) Matilda and The Cheetah Girls

14. How many right angles are there in this figure?



(1) 1
(2) 2
(3) 3
(4) 4

15. Siti is $\frac{3}{10}$ of her father's age now. Find the ratio of her father's age to their total age.

(1) 3 : 10
(2) 10 : 3
(3) 10 : 13
(4) 13 : 10

Name : _____( ) Date: _____

Class : Primary 5(SY)C/G/SE/P Time : 2 h 15 min

SINGAPORE CHINESE GIRLS' SCHOOL

FIRST SEMESTRAL ASSESSMENT 2007

PRIMARY 5 EM 1/2

MATHEMATICS

BOOKLET B

33 Questions

80 Marks

Total Time For Booklets A and B : 2 h 15 mins

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.

FOLLOW ALL INSTRUCTIONS CAREFULLY.

ANSWER ALL QUESTIONS.

SINGAPORE CHINESE GIRLS' SCHOOL
FIRST SEMESTRAL ASSESSMENT 2007
MATHEMATICS

Do not write in this column.

Name : _____ **Date :** _____
Class : Primary 5 S / C / G / SE / P **Time : 2 hr 15 min**

Booklet B (30 marks)

Questions 16 – 25 carry 1 mark each. Questions 26 – 35 carry 2 marks each.

Write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (10 marks)

16. 5 400 × 5 = 5000 × 5 + _____ × 5

Ans: _____

17. 67 + 30 ÷ 6 – (7 × 10) = _____.

Ans: _____

18. Jane had 54 sweets. She ate $\frac{1}{9}$ of them. How many sweets did she eat?

Ans: _____

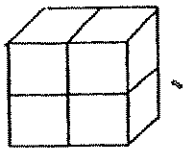
19. Mrs Tan took 10 days to sew a dress. If she completed it on a Thursday, on which day of the week did she start sewing the dress?

Ans: _____

4

Do not write in this column.

20. 4 cubes of edge 5-cm each, are placed together to form the cuboid shown below. What is the volume of this cuboid ?

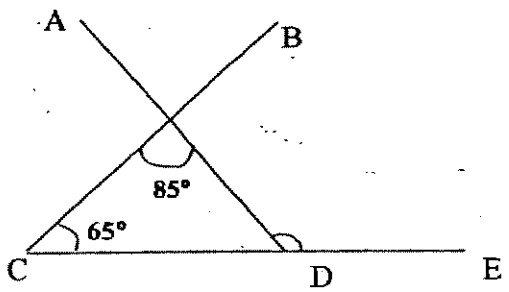


Ans:_____ cm^3

21. Sally started to do her homework at 3.30pm. It took her $1\frac{1}{3}$ h to finish her homework. What time did she finish doing her homework?

Ans:_____ pm

22. In the diagram below, AD, BC and CE are straight lines. Find $\angle$ ADE.

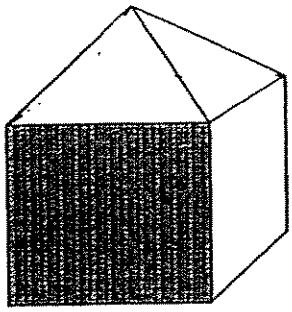


Ans:_____ °

3

Do not write in this column.

23. There are _____ faces in this solid.



Ans: _____

24. A piece of wire 72m long is cut into three pieces in the ratio of 3 : 2 : 4. What is the length of the shortest piece?

Ans: _____ m

25. Rachel and Anne shared 84 stickers in the ratio of 5 : 7. How many stickers did Anne get?

Ans: _____

3

Questions 26 to 35 carry 2 marks each. Show your working clearly in the space below each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

Do not write in this column.

26. A tank is $\frac{2}{7}$ full. However it has a capacity of 5460 mℓ. How much more water can it contain? (Give your answer in litres)

Ans:_____ ℓ

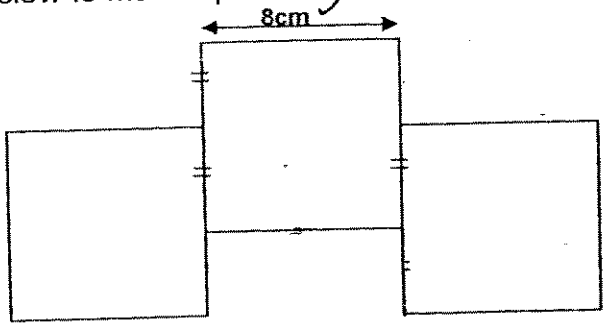
27. A factory has 2854 male workers and half as many female workers. How many workers are there altogether

Ans:_____

28. Each side of Square A is 9cm. The area of Rectangle B is twice the area of Square A. What is the area of Rectangle B?

Ans:_____ cm^2

29. The figure below is made up of 3 identical squares. Find its perimeter.



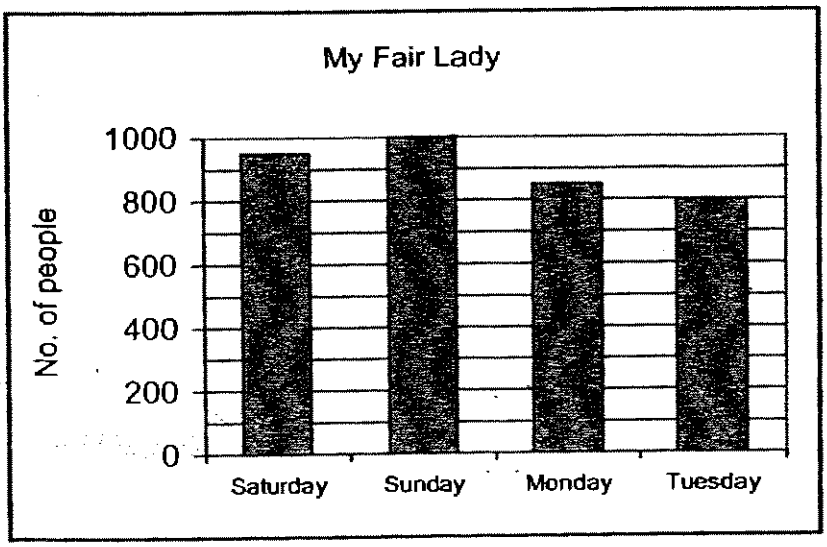
Ans:_____cm

Do not write in this column.

30. Su Jin bought a bag and a pair of shoes. She paid $70 for them. If the bag cost 4 times as much as the pair of shoes, how much did she pay for the pair of shoes?

Ans: $_____

The graph below shows the number of people at a play, My Fair Lady, from Saturday to Tuesday. Study the graph and answer question 31.



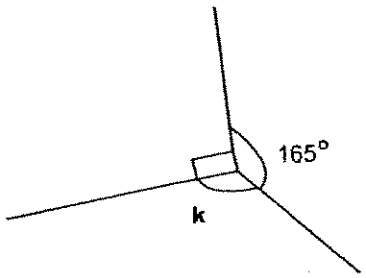
31. Find the total number of people who attended the play on Saturday, Monday and Tuesday. Round off the answer to the nearest thousand.

Ans: _____

4

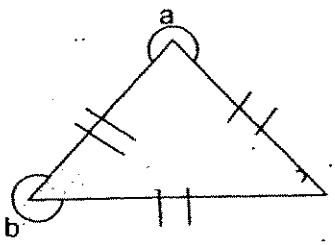
Do not write in this column.

32. The figure below is not drawn to scale. All lines are straight lines. Find ∠ **k**.



Ans: _____°

33. The figure below is not drawn to scale. Find the sum of angle a and angle b.



Ans: _____°

34. The ratio of the number of boys to the number of girls in a Chinese language tuition centre is 8 : 5. If there are 48 boys, how many more boys than girls are there in the Chinese language tuition centre?

Ans: _____

35. For every 5 apples at a stall, there were 3 oranges. For every 2 pears, there were 4 oranges. Find the ratio of apples to pears to oranges.
(Give your answer in its simplest form)

Do not write in this column.

Ans: _____

2

SINGAPORE CHINESE GIRLS' SCHOOL
FIRST SEMESTRAL ASSESSMENT 2007
MATHEMATICS

Do not write in this column.

Name : _____ (2) **Date:** _____
Class : PR 5 SY / C / G / SE / P **Time : 2 hr 15 min**

Booklet B (50 marks)

Write your answers to questions 36 to 48 in the space provided. For each question, show your working clearly in the space provided.

The number of marks available is shown in brackets ( ) at the end of each question or part question.

36. Town A and Town B have a total of 82 000 people altogether. If 4000 people move from Town B to Town A, Town B will have 3 times as many people as Town A. How many people were there in Town B at first?

Ans: _____ (3 marks)

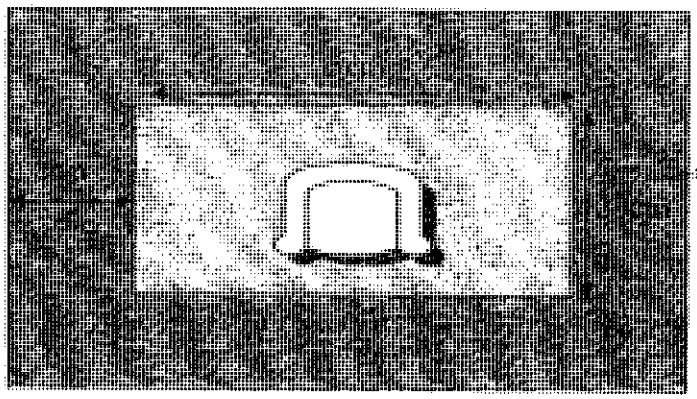
37. A box of cookies was shared equally among 28 boys. 6 of them gave all their cookies to the rest of the boys. As a result the rest of the boys received 3 more cookies each. How many cookies were there in the box at first?

Ans: _____ (3 marks)

6

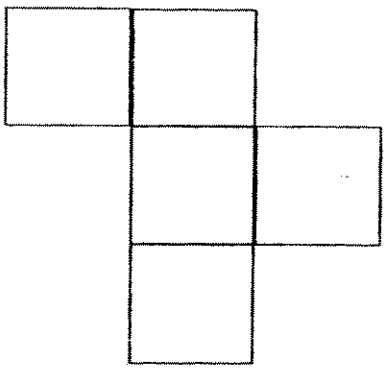
Do not write in this column.

38. A picture measuring 35cm by 28cm is mounted on a rectangular cardboard, leaving a margin of 3cm all around. Find the area of the cardboard that is not covered by the picture.



Ans: _____ (3 marks)

39. The figure below is made up of 5 identical squares. If the area of the figure is 180cm², find its perimeter.

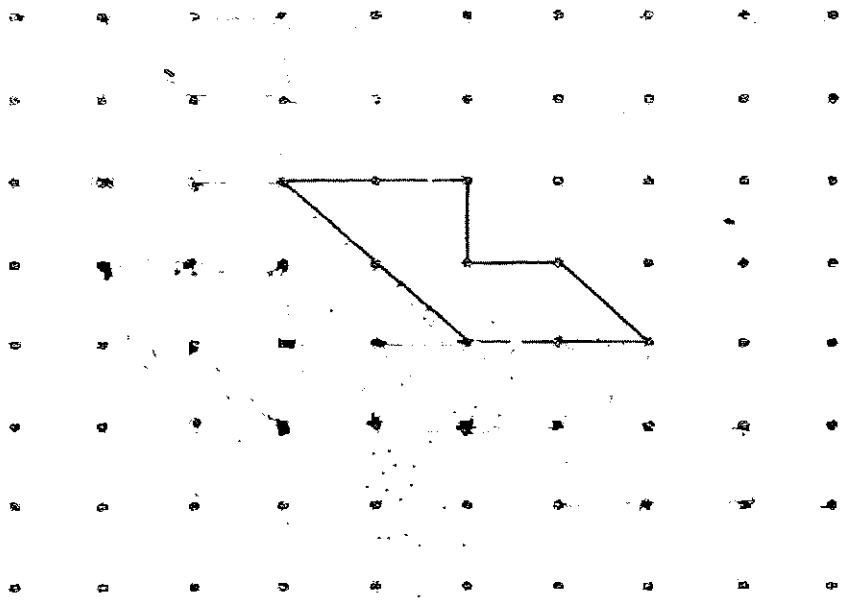


Ans: _____ (3 marks)

6

Do not write in this column.

40. Draw 3 more unit shapes to tessellate. (3 marks)



(3 marks)

41. A dining table and 6 chairs cost $630. The ratio of the price of the table to the price of the chair is 3 : 1. What is the cost of a dining table and 4 chairs?

Ans : _____ (3 marks)

6

42. The number of people participating in a marathon is between 32 and 60. If the competitors get into groups of 6, there will be remainder of 2. If they get into groups of 8, there will be a remainder of 4. How many people are there in the marathon?

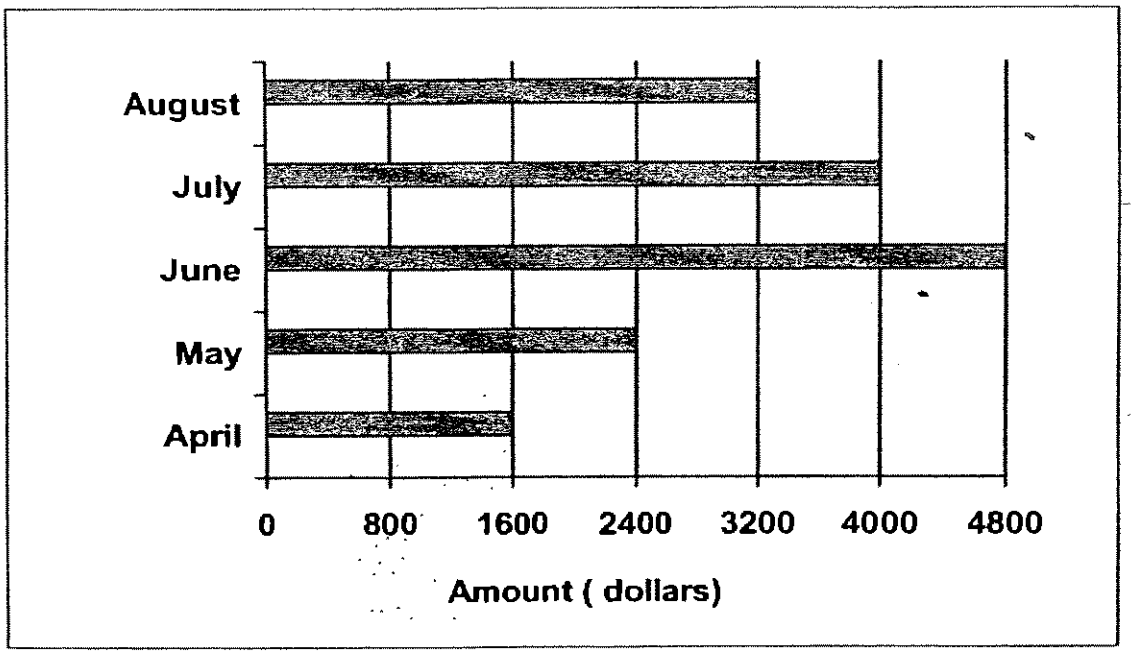
Do not write in this column.

Ans: _____(4 marks)

4

43. The graph below shows the earnings of Mr Lim over a 5-month period.

Do not write in this column.



(a) Find his total earnings for 5 months.

(b) The ratio of his earning in _____ to his earning in _____ is 5 : 6.

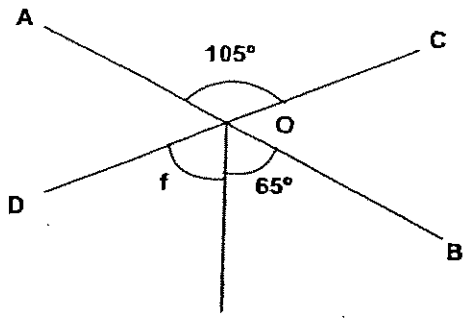
Ans: (a) _____ (2 mark)

(b) _____ and _____ (2 marks)

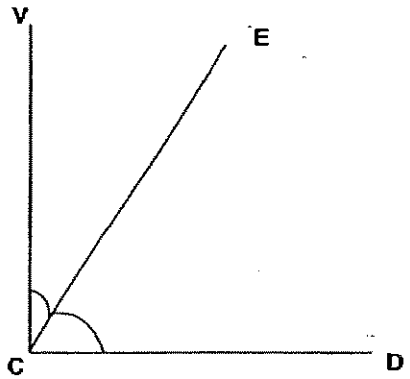
4

Do not write in this column.

44 (a) AB and CD are straight lines. Find ∠ f.



(b) ∠ VCD is a right angle. ∠ ECD is twice the size of ∠ VCE. Find ∠ VCE.



Ans: (a) _____ (2 marks)

(b) _____ (2 marks)

4

225

Do not write in this column.

45. Mother made 60 cupcakes. She kept $\frac{1}{6}$ of them and gave $\frac{1}{10}$ of the remainder to her friend.

(a) What fraction of the cupcakes had she left?

(b) In addition to what was left, she decided to make another 20 cupcakes and sold them at 5 for $3. How much did she collect from the sale?

Ans : (a)_____ (2 marks)

(b)_____ (3 marks)

5

Do not write in this column.

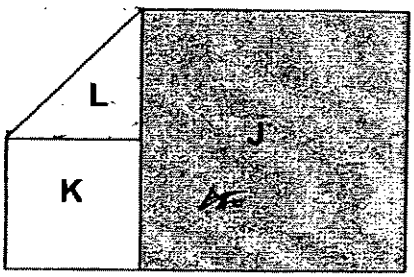
46. $\frac{3}{10}$ of Jane's beads is equal to $\frac{1}{2}$ of Tricia's beads. When Jane gave $\frac{1}{5}$ of her beads to Pat, who has no beads at all, the ratio of Tricia's beads to Pat's beads is 3 : 1. If the 3 girls have 896 beads altogether, how many beads does Tricia have?

Ans: _____ (5 marks)

5

47. In the figure, J and K are squares and L is a right-angled triangle. The areas of J and K are 81cm² and 25cm² respectively. What is the area of L?

Do not write in this column.



Ans: _____(5 marks)

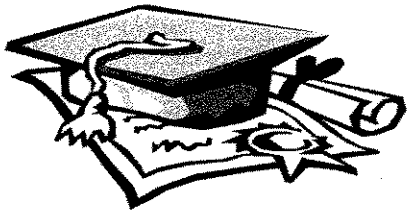
5

48. Anna gets $4 less pocket money than Kim each week. They each spend $16 per week and save the rest. When Kim saves $63, Anna only saves $35. How much pocket money does Kim get each week?

Do not write in this column.

Ans: _____(5 marks) 5

CHECK YOUR WORK CAREFULLY



ANSWER SHEET

SCGS PRIMARY SCHOOL - PRIMARY 5 MATHEMATICS 2007
SEMESTRAL ASSESSMENT (1)

1. 4
2. 2
3. 4
4. 3
5. 3
6. 2
7. 1
8. 4
9. 1
10. 1
11. 2
12. 3
13. 3
14. 2
15. 3
16. 400
17. 2
18. 6
19. Tuesday
20. 500
21. 4.50pm
22. 150°
23. 9
24. 16m
25. 49

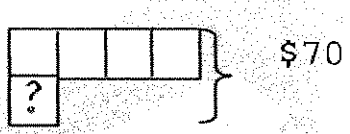
26) 1-2/7=5/7
5/7x5460/1=3900ml
=3.9L

27) 2854/2=1427
1427+2854=4281 workers.

28) 9x9=81
81x2=162cm2

29) 10x8cm=80cm

30)



$70÷5=$14

31) 950+850+800=2600
≈3000

32) 360-165-90=105°

33) a=360-60=300
b=300
a+b=300x2=600°

34) 8u=48
1u=48÷8=6
3u=3x6=18

35)A : O O : P
5 : 3 4 : 2
X4 x4 x3 x3
20 12 12 6

A : P : O
20 : 6 : 12
=10 : 3 : 6

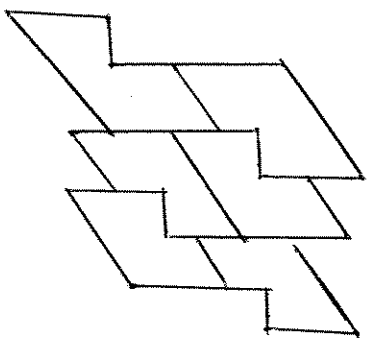
36)82000-16000=66000
66000÷4=16500
At first→16500x3=49500
4000x4=16000
49500+16000=65500

37)28-6=22
22x3=66
66÷6=11
28x11=308 cookies

38)Length of rectangle→35+3+3=41cm
Breadth of rect → 34cm
Picture→35x28=980cm2
Rect→41x34=1394
Not covered→1394-980=414cm2

39)Area of each sq→180÷5=36
6x6=36
Perimeter—6x12=72cm

40)



41) 1 table =3u
1 chair =1u
1 table + 6 chair = 9u
9u = $630
1u =$630÷9=$70
1 table + 4 chair =7u
7u = 7x$70=$490

42)

People	groups of 6	groups of 8	check
40	40÷6=6R4	40÷8=5R0	×
45	45÷6=7R3	45÷8=5R5	×
44	44÷6=7R2	44÷8=5R4	✓

Ans: 44

43) a) Total–1600+2400+480+4000+3200=$16000
b) July and June

44) a) 105-65=40°
b) 90÷3=30°
∠VCE-30°

45) a) 1- 1/6=5/6
1- 1/10=9/10
9/10x5/6= ¾
She had ¾ of the cupcakes left.
b) ¾ x60/1=45
45+20=65
65÷5=13
13x$3=$39
She collected $39 from the sale.

46) 1u→896÷16=56
6u→56x6=336

47) $\sqrt{81}$ = $\sqrt{9x9}$ =9cm

$\sqrt{25}$ = $\sqrt{5x5}$ =5cm

9-5=4
½ x4x5=10cm2
The area of L is 10cm2

48) $63-$35=$28
$28÷$4=7 weeks
$63÷7=$9
$9+$16=$25
Kim gets $25 each week.

METHODIST GIRLS' SCHOOL (Primary)
Mid-Year Examination 2007
Primary 5

Mathematics

Booklet A

Name: _____ ( )

Class: P 5. _____

Total time for Booklets A, B1 and B2: 2h 15 min

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.

FOLLOW THE INSTRUCTIONS CAREFULLY.

ANSWER ALL QUESTIONS.

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Questions 1 to 10 carry 1 mark each. Questions 11 to 15 carry 2 marks each. For each question, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4). Shade the oval (1, 2, 3 or 4) on the Optical Answer Sheet.

(20 marks)

1. Six million, four hundred and ten thousand in numerals is _____.

   (1) 6 000 410
   (2) 6 004 010
   (3) 6 400 010
   (4) 6 410 000

2. Evaluate 100 – (46 ÷ 2) + 7 x 2.

   (1) 41
   (2) 68
   (3) 91
   (4) 490

3. A number when rounded off to the **nearest hundred** becomes 43 000. Which one of the following can be that number?

   (1) 42 849
   (2) 42 904
   (3) 42 953
   (4) 43 108

4. How many metres are there in $\frac{4}{5}$ km ?

   (1) 8 m
   (2) 80 m
   (3) 800 m
   (4) 8 000 m

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5. Susan added $\frac{3}{8}$ *l* of syrup into a canister that was filled with $5\frac{2}{3}$ *l* of water. How much drink was in the canister?

(1) $4\frac{2}{3}$ *l*

(2) $5\frac{7}{24}$ *l*

(3) $5\frac{5}{8}$ *l*

(4) $6\frac{1}{24}$ *l*

6. What must be added to $2\frac{1}{3}$ to get $5\frac{1}{6}$?

(1) $2\frac{5}{6}$

(2) $3\frac{1}{6}$

(3) $7\frac{1}{2}$

(4) $7\frac{1}{6}$

7. John divided $\frac{3}{4}$ of a pizza equally among 3 children. How much pizza would each child get?

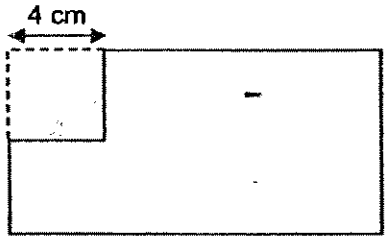
(1) $\frac{1}{4}$

(2) $\frac{1}{3}$

(3) $\frac{4}{7}$

(4) $\frac{4}{9}$

8. A 4-cm square is cut out from the corner of a rectangular piece of paper 14 cm by 9 cm. Find the perimeter of the remaining piece of paper.

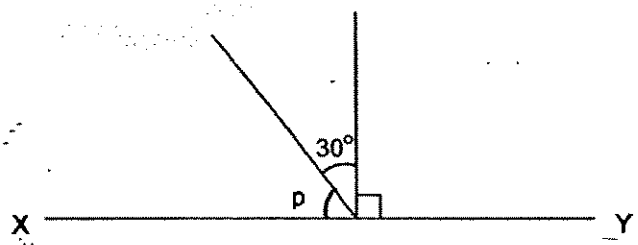


(1) 28 cm
(2) 33 cm
(3) 38 cm
(4) 46 cm

9. A tank measuring 60 cm by 70 cm by 40 cm is half-filled with water. How much water is there in the tank? (1 litre = 1 000 cm^3)

(1) 84 litres
(2) 85 litres
(3) 168 litres
(4) 170 litres

10. In the figure, not drawn to scale, XY is a straight line. Find ∠ p.



(1) 30°
(2) 60°
(3) 90°
(4) 120°

11. Jennifer reads 12 pages of her book every day. If this book has 272 pages, she will finish reading her book on the _____ day.

(1) 21st
(2) 22nd
(3) 23rd
(4) 24th

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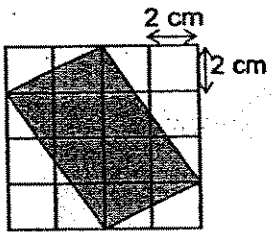
12. At a recent bookfair, books were sold at 3 for $4. Sarah bought 15 books. She paid with a $100-note. How much change did Sarah receive?

(1) $20
(2) $40
(3) $60
(4) $80

13. In a box of 60 pens, $\frac{1}{4}$ are blue and the rest are black.
How many **more** black pens than blue pens are there?

(1) 5
(2) 15
(3) 30
(4) 45

14. What is the area of the shaded figure?



(1) 8 cm^2
(2) 16 cm^2
(3) 24 cm^2
(4) 32 cm^2

15. The sides of a triangle are in the ratio 2 : 3 : 7.
If the shortest side is 4 cm, what is its perimeter?

(1) 2 cm
(2) 14 cm
(3) 24 cm
(4) 48 cm

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METHODIST GIRLS' SCHOOL (Primary)
Mid-Year Examination 2007
Primary 5

Mathematics

Booklet B1

Name: _____( )

Class: P 5. _____

Booklet B1 (30)	

Total time for Booklets
A, B1 and B2: 2h 15 min

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.

FOLLOW THE INSTRUCTIONS CAREFULLY.

ANSWER ALL QUESTIONS.

Questions **16** to **25** carry 1 mark each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (10 marks)

16. What must be added to 99 to make a million?

Ans: _____

17. Find the sum of the first 2 common multiples of 4 and 8.

Ans: _____

18. Round off the difference between 13 687 and 8 423 to the nearest thousand.

Ans: _____

19. Write the smallest possible 5-digit number using 5 different digits.

Ans: _____

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20. The area of a rectangular wooden plank is 220 cm^2.
Find its length if its breadth is 11 cm.

Ans: _____ cm

21. The volume of the following rectangular box is 324 cm^3. Find its height if its base area is 81 cm^2.

Ans: _____ cm

22. $1\frac{1}{5} + 1\frac{1}{5} + 1\frac{1}{5} + 1\frac{1}{5} = \square \times \frac{6}{5}$

What is the missing number in the box?

Ans: _____

23. Arrange the fractions in ascending order, from the smallest to the largest.

$\frac{7}{8}, \frac{1}{2}, \frac{3}{4}, \frac{5}{6}$

Ans: _____

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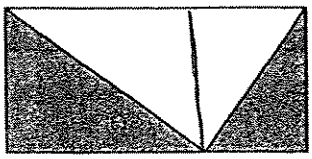
24. What fraction of the rectangle is shaded? Express your answer in the simplest form.



Ans: _____

25. Jane weighs 60 kg. Her sister is 12 kg heavier.
Find the ratio of Jane's weight to her sister's weight.
Express your answer in the simplest form.

Ans: _____

Questions 26 to 35 carry 2 marks each. Show your working clearly in the space below each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

(20 marks)

26. Ashley was given $522. She had $18 left after 2 weeks. If she had spent the same amount of money each day, how much did she spend each day?

Ans: $ _____

27. Lisa has 12 times as much money as Melody.
If Lisa has $132 more than Melody, how much money does Lisa have?

Ans: $ _____

28. Michelle bought 416 pastries for a party.
Each guest ate 4 pastries and there were 20 pastries left.
How many guests were there?

Ans: _____

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29. The total volume of some metal balls is 270 cm^3. These metal balls are then melted and recast into 3-cm cubes. How many cubes will there be?

Ans: _____

30. The perimeter of a rectangle is 64 cm. Its length is 24 cm.
What is the area of the rectangle?

Ans: _____ cm^2

31. Express 36 minutes as a fraction of 3 hours.
Give your answer in the simplest form.

Ans: _____

32. How many eighths are there in $2\frac{1}{4}$?

Ans: _____ eighths

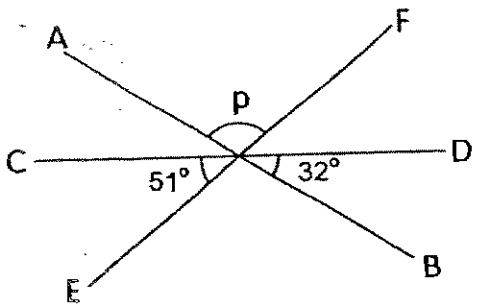
33. If $\frac{1}{6}$ of a number is 6, what is half the number?

Ans: _____

34. The ratio of two numbers is 5 : 2. The sum of the two numbers is 12 more than their difference. Find the sum of the two numbers.

Ans: _____

35. The figure below is not drawn to scale. AB, CD and EF are straight lines.
Find ∠ p.



Ans: _____

METHODIST GIRLS' SCHOOL (Primary)
Mid-Year Examination 2007
Primary 5

Mathematics

Booklet B2

Name: _____ ( )

Class: P 5. _____

Total time for Booklets A, B1 and B2: 2h 15 min

Booklet A (20)	
Booklet B1 (30)	
Booklet B2 (50)	
Total: (100)	

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FOLLOW THE INSTRUCTIONS CAREFULLY.

ANSWER ALL QUESTIONS.

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For questions **36** to **48**, show your working clearly in the space provided for each question and write your answers in the spaces provided.
The number of marks available is shown in the brackets [ ] at the end of each question or part-question. (50 marks)

36. 5 years from now, Jenny will be twice as old as Karen.
Karen was born eleven years ago.
How old is Jenny now?

Ans: _____ [3]

37. When a bus left the interchange, there were 42 pupils in the bus.
At the first bus-stop, 8 boys boarded the bus.
As a result, the number of boys was equal to the number of girls.
At the next bus stop, 12 girls got off.
How many girls were left in the bus?

Ans: _____ [3]

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38. Ben sold 24 rubber ducks on Thursday.
He sold $\frac{2}{5}$ of the remainder on Friday.
If he still had 99 rubber ducks to be sold on Saturday, how many rubber ducks did he have at first?

Ans: _____[3]

39. Carrie and Diane had some paper cranes in the ratio 5 : 3.
Carrie gave half of her paper cranes to Diane.
Diane then had 24 more paper cranes than Carrie.
How many paper cranes did they have altogether?

Ans: _____[3]

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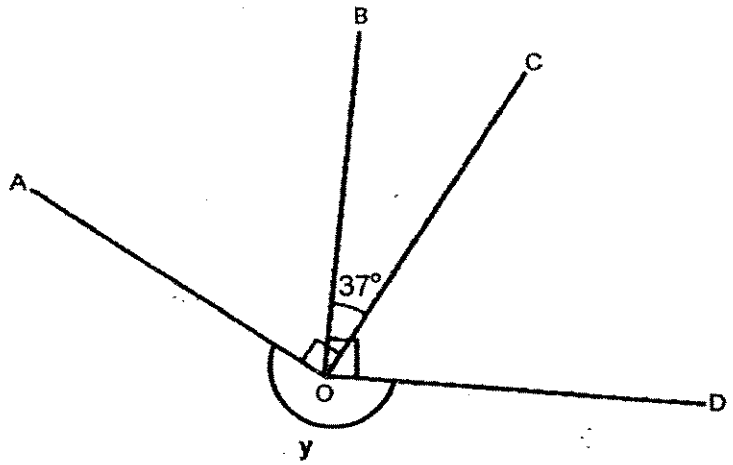
40. ∠ AOC and ∠ BOD are right angles. Find ∠ y.



Ans: _____ [3]

41. Weiling had a total of 180 marks for English and Chinese in her mid-year examination. She had a total of 170 marks for her Chinese and Mathematics. She had 4 more marks for Chinese than English. How many marks did she get for Mathematics?

Ans: _____ [4]

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42. Faridah saved $3 200. Grace saved $450 less than Faridah.
Huimin saved 4 times as much as money as Grace.

a) How much money did Huimin save?
b) How much did the 3 girls save altogether?

Ans: a) _____ [2m]

b) _____ [2m]

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43. Santhi had $26 more than Nurul.
After Santhi received another $35 and Nurul spent $65, Santhi then had 7 times as much money as Nurul. How much money did Nurul have at first?

Ans: _____ [4]

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44. Mrs Lee spent \$120 on a watch. She spent $\frac{1}{7}$ of her remaining money on a pair of shoes. If she had $\frac{3}{5}$ of his money left, how much money did Mrs Lee have at first?

Ans: _____ [4]

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45. A box measures 56 cm long, 23 cm wide and 106 cm high. Ella wants to fill the box with as many cubes as she can. Each cube has a volume of 64 cm^3. What is the maximum number of cubes that Ella can fill the box with?

Ans:_____ [4]

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46. A box contained \$2 and \$5 notes. $\frac{1}{4}$ of the number of \$2 notes is equal to $\frac{4}{5}$ of the number of \$5 notes. There is a total of 315 notes in the box. Find the total value of all the notes in the box.

Ans: _____ [5]

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47. A jug contains 4 litres of water. When Rachel poured $\frac{3}{5}$ of the water into an empty rectangular container, the rectangular container became $\frac{3}{4}$ full.
Find the height of the container if its base area is 500 cm^2. (1 litre = 1 000 cm^3)

Ans: _____ [5]

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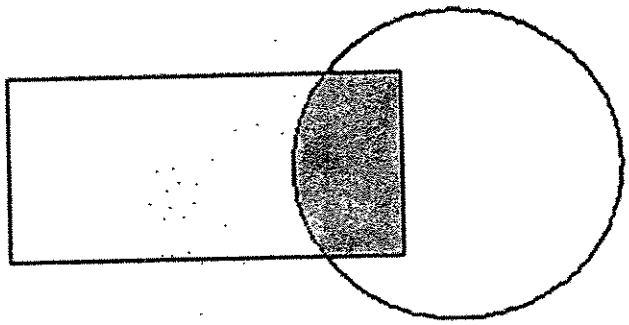
48. The figure below is made up of a rectangle and a circle.
The ratio of the shaded area of the figure to the area of rectangle is 3 : 8.
The ratio of the shaded area to the area of the circle is 1 : 5.
The shaded area is 27 cm^2.

a) Find the area of the circle.
b) Find the ratio of the shaded part of the figure to the total unshaded parts of the figure.



Ans: a) _____ [2]

b) _____ [3]

☺ End of Paper ☺

Please check your work.

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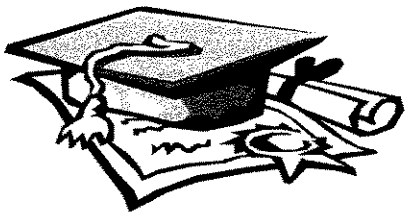


ANSWER SHEET

M G S PRIMARY SCHOOL - PRIMARY 5 MATHEMATICS 2007
SEMESTRAL ASSESSMENT (1)

1. 4
2. 3
3. 3
4. 3
5. 4
6. 1
7. 1
8. 4
9. 1
10. 2
11. 3
12. 4
13. 3
14. 4
15. 3
16. 999901
17. 24
18. 5000
19. 10234
20. 20cm
21. 4cm
22. 4
23. ½,3/4,5/6,7/8
24. ½
25. 5:6
26. $36
27. $144
28. 99 guests
29. 10 cubes
30. 192 cm2
31. 1/5
32. 18 eighths

33) 18

34) 21

35) 32° +51° =83°
180° -83° =97°

36) 11+5=16
16x2=32
32-5=27
Jenny is 27 years old now.

37) 42+8=50
50÷2=25
25-12=13
13 girls were left.

38) 99÷3=33
33x5=165
165+24=189
He had 189 rubber ducks at first.

39) 11-5=6
24÷4=6
10+6=16
4x16=64
They had 64 paper cranes altogether

40) 90-37=53
53x2=106
106+37=143
360-143=217°
∠y=217°

41) 180-4=176
176÷2=88
88+4=92
170-92=78
Weiling got 78 marks for Math

42) a) 3200-450=2750
2750x4=11000
Huimin saved $11000
b) 3200+2750=5950
5950+11000=16950
The three girls saved $16950 altogether

43) 26+35=61
61+65=126
7-1=6
126÷6=21
21+65=86
Nurul had $86 at first.

44) 120÷3=40
40x10=400
Mrs Lee had $400 at first

45) 56÷4=14
23÷4=5 R3
106÷4=26 R2
14x5x26=1820
Ella can fill the box 1820 cubes

46) 315÷21=15
15x5=75
15x16=240
75x5=375
240x2=480
375+480=855
The value of the notes is $855

47) 4000÷5=800
800x3=2400
2400÷800=3
2400+800=3200
3200÷500=6.4
The height is 6.4cm

48) a) 27x5=135
The area of the circle is 135 cm2
b) 3:17

---end---

Tao Nan School
Primary 5 Mathematics Mid-Year Examination – 2007

Name : _____ _____ ( ) Date : 11 May 2007

Class : Primary 5 ( ) Time : 7.45 -10.00 a.m.

Parent's Signature : _____ Marks : _____ / 100

SECTION A (20 marks)

Questions 1 to 10 carry 1 mark each. Questions 11 to 15 carry 2 marks each. For each question, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4). Shade the correct oval on the Optical Answer Sheet.

(1) In the numeral 289 765, the digit 9 is in the _____ place.

(1) tens
(2) hundreds
(3) thousands
(4) ten thousands

(2) How many **tens** are there in 130 000?

(1) 13
(2) 130
(3) 1300
(4) 13 000

(3) What is the **quotient** when 1256 is divided by 6?

(1) 2
(2) 29
(3) 209
(4) 2092

(4) Express $7\frac{5}{8}$ as an **improper fraction**.

(1) $\frac{51}{8}$

(2) $\frac{59}{8}$

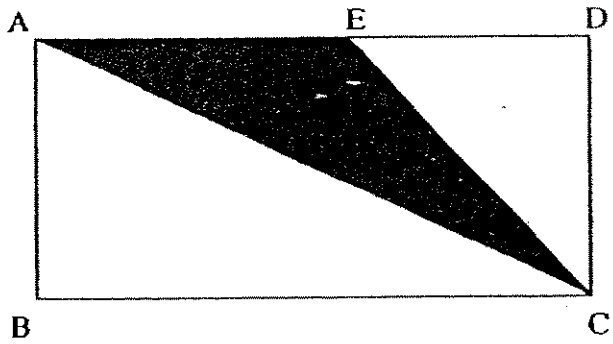
(3) $\frac{61}{8}$

(4) $\frac{75}{8}$

(5) 7 : 9 = ☐ : 72. The missing number in the box is _____.

(1) 16
(2) 56
(3) 64
(4) 79

(6) ABCD is a rectangle. Find the base and height of triangle ACE.



(1) base AC, height AE
(2) base AC, height AB
(3) base AE, height CD
(4) base AE, height CE

(7) Which of the following is a common factor of 14 and 21?

(1) 6
(2) 2
(3) 3
(4) 7

(8) Find the product of 954 and 80.

(1) 7 232
(2) 7 632
(3) 72 320
(4) 76 320

(9) The value of 6 x 12 is the same as 12 + 12 + $\square$. The missing number in the box is _____.

(1) 36
(2) 48
(3) 60
(4) 72

(10) The **smallest** fraction below is _____.

(1) $\frac{1}{2}$

(2) $\frac{3}{4}$

(3) $\frac{5}{6}$

(4) $\frac{7}{12}$

(11) Round off 98 951 to the **nearest hundred.** The answer is _____.

(1) 98 000
(2) 99 000
(3) 98 900
(4) 99 900

(12) In a class, there are 12 boys and 28 girls. What fraction of the pupils are girls?

(1) $\frac{2}{5}$

(2) $\frac{3}{7}$

(3) $\frac{3}{10}$

(4) $\frac{7}{10}$

(13) Express 36 seconds as a fraction of 1 minute.

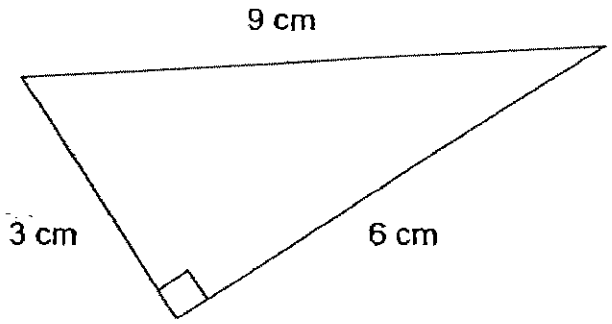
(1) $\frac{1}{36}$

(2) $\frac{3}{5}$

(3) $\frac{9}{25}$

(4) $\frac{13}{20}$

(14) The figure below is not drawn to scale. Find the area of the triangle.



(1) 9 cm²

(2) 13.5 cm²

(3) 18 cm²

(4) 27 cm²

(15) For every 3 pencils that Chloe buys, she gets 2 free. What is the **least** number of pencils she has to buy in order to get a total of 40 pencils?

(1) 12
(2) 24
(3) 34
(4) 35

Parent's Signature
Date: 16/5/18

Name: _____ _____. Class: Primary 5 ( )

SECTION B (30 marks)

Questions 16 to 25 carry 1 mark each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

---

(16) Four million, four hundred and four written as a numeral is _____.

Ans: _____

(17) Form the smallest 5-digit odd number from the digits given below.

8	1	7	4	5

Ans: _____

(18) The length of a rectangle is 7cm longer than its breadth. Find the perimeter of the rectangle if its length is 19cm.

19

_____

_____

_____

_____

Ans: _____ _____cm

(19) The product of two numbers is 3 128. If one of the numbers is 46, find the other number.

Ans: _____

(20) A television cost 4 times as much as a radio. If the radio cost $267 less than the television, find the cost of the television.

Ans: $_____

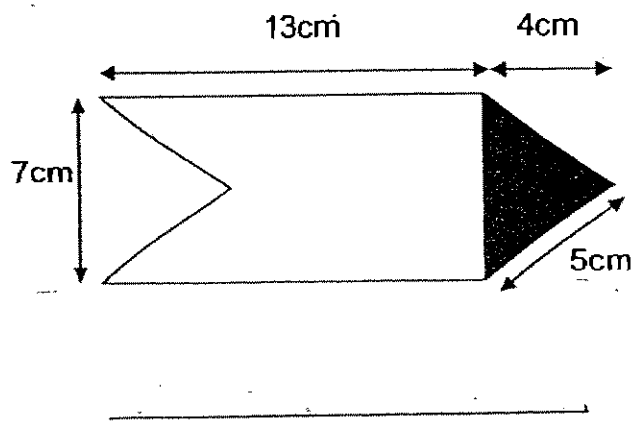
(21) What is the value of $\frac{3}{4}$ of $\frac{8}{9}$? (Give your answer in the simplest form.)

Ans: _____

(22) How many centimetres are there in $5\frac{2}{5}$ m?

Ans: _____ _____cm

(23) The figure below is not drawn to scale. Find the area of the shaded triangle.



Ans: _____ _____ cm²

(24) The ratio of the number of men to the number of women to the number of children is 3 : 8 : 7. If there are 304 women, how many people are there in all?

Ans: _____

(25) Aaron, Ben and Charlton shared a pizza in the ratio 1 : 2 : 4. What fraction of the pizza did Ben get?

Ans: _____

Questions 26 to 35 carry 2 marks each. Show your working clearly in the space below each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

---

(26) Round off the product of 29 and 180 to the nearest hundred.

Ans: _____

(27) The value of (69 – 54 ÷ 6) – 8 x 7 is _____.

Ans: _____

(28) What is the **maximum** number of rectangles each measuring 6cm by 4cm, that can be cut from a rectangular metal sheet, 24cm by 10cm? .

Ans: _____ _____

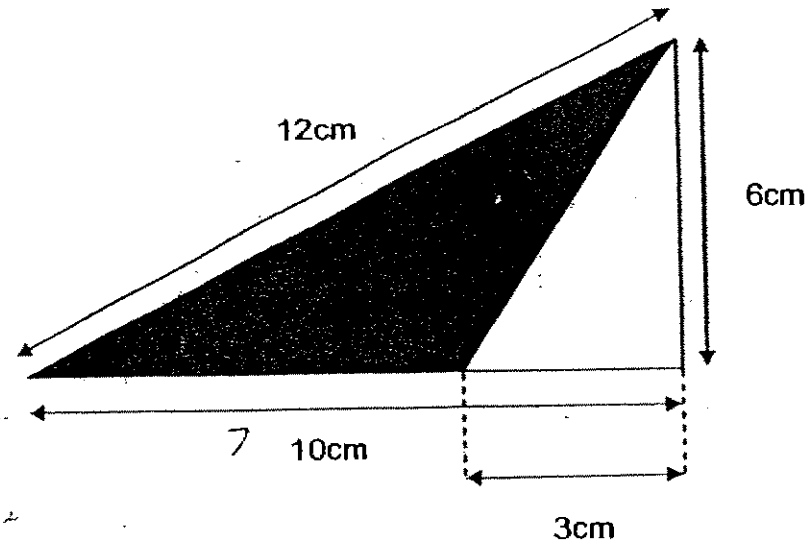
(29) A packet of flour weighs $1\frac{1}{8}$ kg. A bag of sugar weighs $3\frac{1}{4}$ kg more. What is the total weight of the flour and sugar? (Give your answer in the simplest form.)

Ans: _____ _____kg

(30) Izen took $\frac{5}{6}$ hour to jog around a track. Jamie took $\frac{2}{5}$ of the time taken by Izen. How much longer did Izen take than Jamie to jog around the track? (Give your answer as a fraction in the simplest form.)

Ans:

(31) Find the area of the shaded triangle.



Ans:

(32) Victoria bought 12 scarves for $360 and 4 ribbons for $72. Find the ratio of the cost of each scarf to the cost of each ribbon.

Ans: _____

(33) The sides of a triangle are in the ratio of 3 : 4 : 5. If its perimeter is 96cm, what is the length of its shortest side?

Ans: _____ ____cm

(34) Iman and Erin each saved $3 000. Iman took 16 months less than Erin to save that amount. If Erin saved $75 per month, how much did Iman save in a month?

Ans: $_____

(35) Faridah sold $\frac{1}{3}$ of her curry puffs and gave away $\frac{1}{4}$ of them to her neighbours. She had 65 curry puffs left. How many curry puffs did she have at first?

Ans: _____

Parent's Signature
Date:

Name: _____ ( ) Class: Primary 5 ( )

SECTION C (50 marks)

For questions 36 to 48, show your working clearly in the space below each question and write your answers in the spaces provided.
The number of marks available is shown in the brackets ( ) at the end of each question or part question.

---

(36) 8 years ago, Vienna was 3 years old. In 5 years' time, her cousin will be twice as old as her. How old is her cousin in 5 years' time?

Ans:

(37) Chester bought 10 identical rings and 4 identical bracelets for $860. If each bracelet cost $40 more than each ring, find the cost of a ring.

Ans:

(38) Charlene had 4800 Christmas cards. She sold 750 of them. Then, she packed the rest equally into packets of 13 each. How many Christmas cards were left unpacked?

Ans: _____ _____ (3m)

(39) Joed has 56 beads. Amanda has 16 fewer beads than Joed. Lynn has 4 more beads than Amanda. Find the ratio of the number of beads Lynn has to the number of beads Joed has to the number of beads Amanda has.

Ans: _____ _____ (3m)

(40) The ratio of the number of teachers to the number of pupils in a school is 2 : 55. If there are 1219 more pupils than teachers, how many pupils are there in the school?

Ans: _____ (3m)

(41) Ali, Baba and Kassim had some fruits in the ratio 9 : 4 : 5. Ali gave Baba and Kassim a total of 69 fruits so that all of them had the same number of fruits. Find the total number of fruits the boys had.

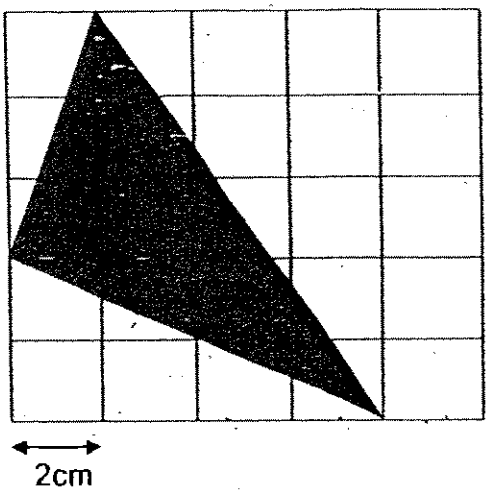
Ans: _____ (3m)

(42) There are a total of 45 chickens and cows in a farm. There are 114 legs altogether. How many more chickens than cows are there?

(4m)

(43) Bryan bought a bag of beans. $\frac{1}{3}$ of them were red beans, $\frac{3}{5}$ of the remainder were black beans and the rest were green beans. If there were 52 green beans, how many black beans were there?

(44) Find the area of the shaded triangle.



Ans :

(45) Mr and Mrs Yang brought their 3 children to a concert. The total cost of the concert tickets was $150. A child's ticket cost $\frac{3}{8}$ as much as an adult's ticket. Find the cost of an adult's ticket.

Ans: _____ (5m)

(46) The ratio of the number of storybooks Clara had to the number of storybooks Sarah had was 3 : 7. Sarah had 48 storybooks more than Clara. She gave Clara some storybooks and the ratio became 5 : 7. How many storybooks did Clara receive from Sarah ?

Ans :

(47) Colin wants to buy some watches. The cost of each watch is the same. If he buys 45 watches, he would have $400 left. If he buys 65 watches, he would be short of $60.

a) How much does each watch cost?
b) How much money does he have?

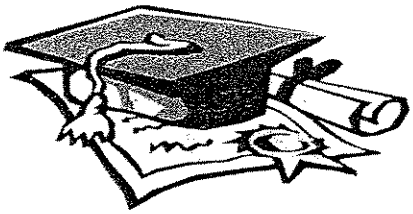
Ans: a) _____ ( )

b) _____ (2m)

(48) Gayle bought 30 mugs and keychains altogether. She was given a discount of $3 per mug and 50 cents per keychain. If she paid $60 less in all, how many more mugs than keychains did she buy in all?

Ans: (5m)

- End Of Paper -



ANSWER SHEET

TAO NAN PRIMARY SCHOOL - PRIMARY 5 MATHEMATICS 2007
SEMESTRAL ASSESSMENT (1)

1. 3
2. 4
3. 3
4. 3
5. 2
6. 3
7. 4
8. 4
9. 2
10. 1
11. 2
12. 4
13. 2
14. 1
15. 2
16. 4000404
17. 14587
18. 62cm
19. 68
20. $356
21. 2/3
22. 540cm
23. 14cm2
24. 684
25. 2/7
26. 5200
27. 4
28. 10
29. 5½
30. ½

31) 10-3=7
½ x7x6=21
The area of the shaded triangle is 21cm2

32) 72÷4=18
360÷12=30
30:18=10:6
=5:3
The ratio is 5:3

33) 96÷12=8
8x3=24
The length of its shortest side is 24cm

34) 3000÷75=40
40-16=24
3000÷24=125
He saved $125 in a month.

35) 12/12-4/12-3/12-5/12
65÷5=13
13x12=156
She had 156 curry puffs at first.

36) 3+8=11
11+5=16
16x2=32
Her cousin will be 32 years old

37) 40x4=160
860-160=700
10+4=14
700÷14=50
The cost of a ring is $50.

38) 4800-750=4050
4050÷13=311R7
7 Christmas cards were left unpacked.

39) 56-16=40
40+4=44
44:56:40=11:14:10
The ratio is 11:14:10

40) 55-2=53
1219÷53=23
23x55=1265
There are 1265 pupils in the school.

41) 69÷3=23
23x18=414
The total number of fruits the boys had is 414.

42) 21

43) 52÷4=13
6x13=78
There were 78 black beans.

44) ½ x2x6=6
½ x4x8=16
½ x6x10=30
30+16+6=52
80-52=28cm2
The area is 28cm2

45) 150÷25=6
6x8=48
The cost of an adult's ticket is $48

46) She received 14 storybooks.

47) a) 65-45=20
400÷60=460
460÷20=23
Each watch costs $23.
b) 23x45=1035
1035+400=1435
He has $1435.

48) She bought 6 more mugs than keychain.

Anglo-Chinese School (Primary)

MID-YEAR EXAMINATION 2007
MATHEMATICS

Booklet A

Name: _____ ( )

Class: Primary 5 D

Date: 8 May 2007

Duration of Booklet A & B: 2 h 15 min

THIS BOOKLET CONTAINS PAGES 1 to 5.
DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.
FOLLOW ALL INSTRUCTIONS CAREFULLY.

SECTION A (20 MARKS)

Questions **1** to **10** carry 1 mark each.
Questions **11** to **15** carry 2 marks each.
For each question, four options are given. One of them is the correct answer.
Make your choice (1, 2, 3 or 4). Shade the correct oval (1, 2, 3 or 4) on the Optical Answer Sheet (OAS).

1. The digit '8' in **5 687 143** is in the _____ place.

   1) hundreds
   2) thousands
   3) ten thousands
   4) hundred thousands

2. Which of the following numbers when rounded off to the nearest ten thousand is 650 000?

   1) 644 123
   2) 651 132
   3) 6 051 123
   4) 6 550 123

3. $82 \times 80 =$ _____

   1) 828×10
   2) $8 \times 2 \times 60$
   3) $82 \times 8 + 10$
   4) $(80 \times 80) + (2 \times 80)$

4. Express $2\frac{1}{3}$ years in months.

1) 16 months

2) 17 months

3) 27 months

4) 28 months

5. Zhi Wei spent $\frac{3}{4}$ of his money on a soccer ball and $\frac{1}{3}$ of the remaining money on lunch. What fraction of his money had he left?

1) $\frac{1}{3}$

2) $\frac{1}{6}$

3) $\frac{2}{7}$

4) $\frac{1}{12}$

6. $24 \times 65 = _____ \times 30.$

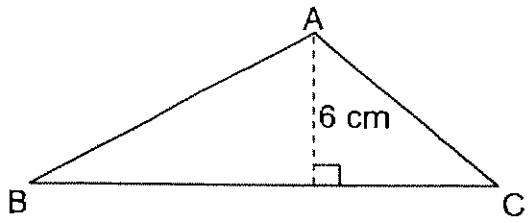
1) 52

2) 156

3) 520

4) 1 560

7. Triangle ABC has a height 6 cm and an area of 54 cm^2. Find the base of triangle ABC.

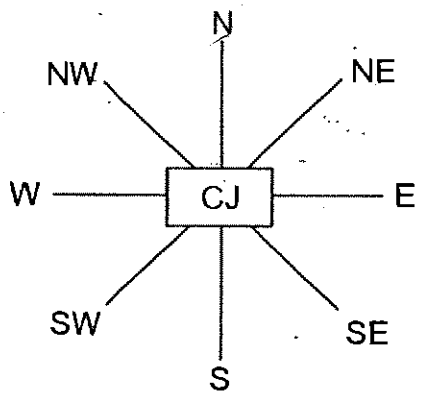


1) 8
2) 9
3) 16
4) 18

8. Mr Ang bought 4 chairs and 1 table for $245. The table cost 3 times as much as a chair. How much did he pay for the table?

1) $35
2) $49
3) $105
4) $140

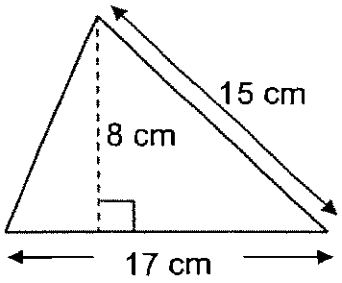
9. CJ is facing north. If he turns 135° anti-clockwise, which direction will he be facing then ?



1) North-East
2) North-West
3) South-East
4) South-West

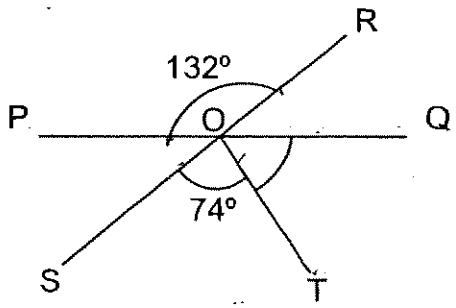
10. Find the area of the figure. (Figure not drawn to scale)

1) 60 cm^2
2) 68 cm^2
3) 120 cm^2
4) 136 cm^2



11. Line PQ and line RS are straight lines. Find ∠ QOT.

1) 45°
2) 58°
3) 62°
4) 74°



12. Harry took $\frac{1}{2}$ h to complete his homework. His sister took $\frac{1}{4}$ h longer to complete her homework. Express the ratio of the time taken by Harry to complete his homework to the time taken for his sister to complete her homework.

1) 1 : 2
2) 2 : 1
3) 2 : 3
4) 3 : 4

13. A piece of wire 112 cm is cut into 3 parts. If the longest piece is twice the length of the second piece and the shortest piece is 16 cm, find the length of the longest piece of wire.

1) 28 cm
2) 32 cm
3) 56 cm
4) 64 cm

14. Madam Loh had $\frac{5}{6}$ kg of rice. She packed them equally into 10 small containers. What was the mass of rice in each container?

1) $\frac{1}{3}$ kg
2) $\frac{5}{6}$ kg
3) $\frac{1}{12}$ kg
4) $\frac{5}{12}$ kg

15. Gopal has some red, blue and white marbles. $\frac{1}{7}$ of the marbles are red, $\frac{2}{3}$ are blue and the rest are white. If he has 28 white marbles, how many marbles does he have altogether?

1) 49
2) 84
3) 119
4) 147

Anglo-Chinese School (Primary)

MID-YEAR EXAMINATION 2007
MATHEMATICS

Booklet B

Name: _____ ( )

Class: Primary 5

Date: 8 May 2007

Duration of Booklet A & B: 2 h 15 min

Section	Contents	Marks	Marks Obtained
A	Multiple Choice Questions	20	
B	Short Answers: Part I	10	
	Short Answers: Part II	20	
C	Problem Sums	50	
	Total Marks	100	
	Parent's signature		

THIS BOOKLET CONTAINS PAGES 1 to 18.
DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.
FOLLOW ALL INSTRUCTIONS CAREFULLY.

SECTION B (30 MARKS)

Questions 16 to 25 carry 1 mark each. Write your answer in the spaces provided. For questions which require units, give your answer in the units stated. (10 marks)

16. Bread Bistro sold 24 567 loaves of bread last year. Express this number to the nearest thousand.

Answer : _____ loaves

17. Find the remainder when 2 988 is divided by 14.

Answer : _____

18. Jared and Francis shared $90 in the ratio 5 : 1. How much more money did Jared receive than Francis?

Answer : $_____

19. Part of the table below was accidentally torn off. The table shows the number of pupils from class 4A scoring within various mark range in a Science topical test. 35 pupils scored above 64 marks. How many pupils scored in the mark range of 65 to 74?

Mark Range	Number of pupils
91 to 100	8
75 to 90	6
65 to 74	
50 to 64	

Answer : _____

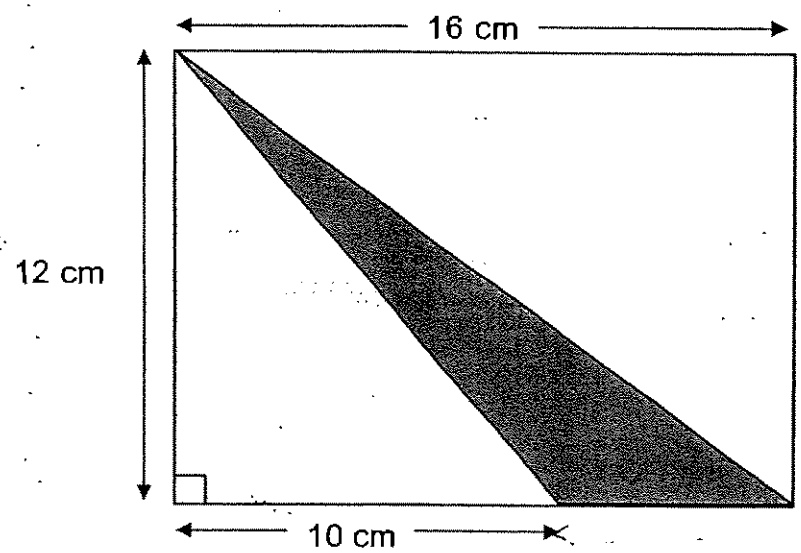
20. Find the difference between $1\frac{1}{3}$ and $\frac{3}{4}$.

Answer : _____

21. Rahmin weighs 28kg. Ali weighs 4kg less than Rahmin. Express the ratio of Rahmin's mass to the two boys total mass.

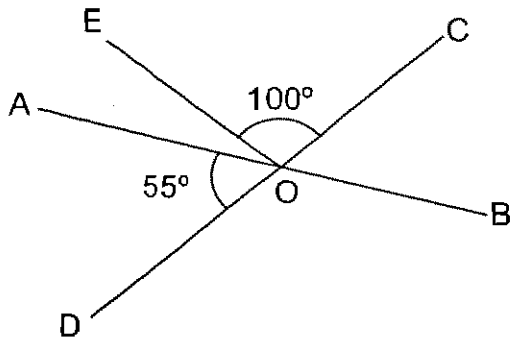
Answer : _____

22. Find the area of the shaded figure. (Figure not drawn to scale)



Answer : _____ cm^2

23. In the figure, not drawn to scale, AB and CD are straight lines. Find ∠AOE.



Answer : _____ °

24. Find the value of $\frac{1}{3} \div 3$.

Answer : _____

25. Find the value of (4 + 3) x 5 + 10 ÷ 5.

Answer : _____

Questions 26 to 35 carry 2 marks each. Show all workings clearly in the space below each question and write your answers in the spaces provided. For questions which require units, give your answer in the units stated. (20 marks)

26. Mary was awake for $\frac{2}{3}$ of the day. She spent $\frac{1}{4}$ of her time awake studying. What fraction of the day did Mary spend studying?

Answer : _____

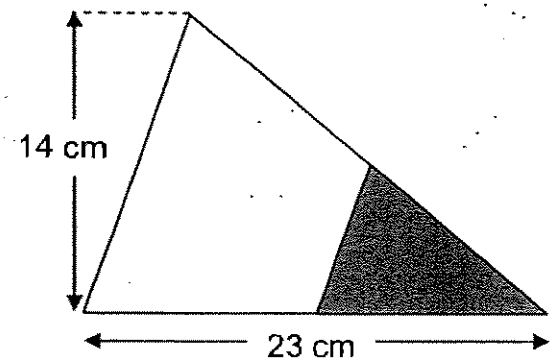
27. 99 x 89 = ☐ x 89 – 89. What is the missing number in the box?

Answer : _____

28. Benny wants to purchase a new car at $82 000. He has to pay $10 000 as downpayment. The remaining amount will be paid in monthly instalment for 3 years. How much did Benny need to pay for his monthly instalment?

Answer : $ _____

29. In the figure, not drawn to scale, the shaded area is $\frac{2}{5}$ of the unshaded area. Find the area of the shaded area.

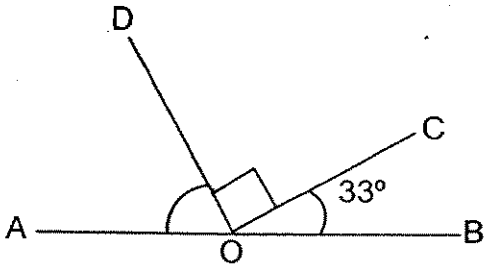


Answer : _____ cm^2

30. Find the area of a square with side $\frac{2}{3}$ m.

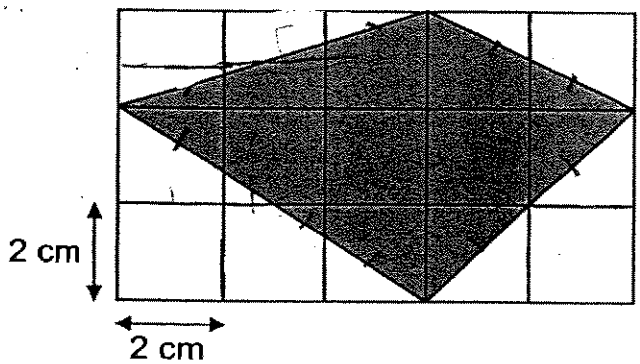
Answer : _____ m^2

31. In the figure, not drawn to scale, AOB is a straight line, Find $\angle AOD$.



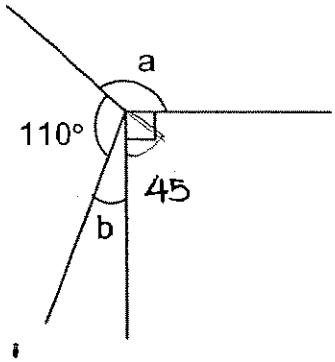
Answer : _____ °

32. Find the area of the shaded area.



Answer : _____ cm^2

33. In the figure, not drawn to scale, ∠a is three times the size of ∠b.
Find ∠b.



Answer : _____°

34. Beckham and his son have a total mass of 145 kg. If the ratio of Beckham's mass to his son's mass is 23 : 6, find the difference in their mass.

Answer : _____kg

35. The sum of two numbers, A and B is 1 525. If the value of A is four times the value of B, find the value of A.

Answer : _____

SECTION C- Problem Sums (50 MARKS)

For each question from 36 to 48, show your working and mathematical statements clearly in the space provided for each question. Write your answers in the spaces provided. The number of marks available is shown in the brackets [ ] at the end of each question or part-question. (50 marks)

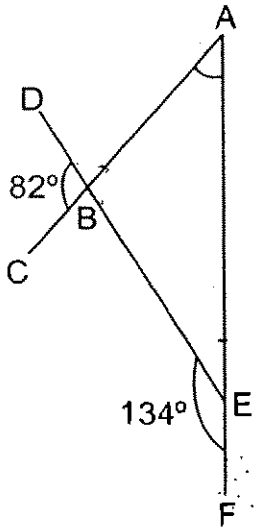
36. Auntie Sue bought 23 boxes of pineapple tarts. Each box contains 12 pineapple tarts. She put 15 pineapple tarts in one jar. How many jars will she need to pack all the pineapple tarts?

Answer :_____ [3M]

37. Bryan read $\frac{1}{3}$ of a story book on Monday and $\frac{5}{6}$ of the remainder on Tuesday. He completed reading the rest of the 48 pages on Wednesday. How many pages were there in the book?

Answer : _____[3M]

38. In the figure shown below, ABC, DBE and AEF are straight lines.
Find ∠BAE.



Answer : _____ [3M]

39. Find the sum of 1 + 2 + 3 + ... + 98 + 99 + 100.

Answer : _____ [3M]

40. In 2007, Mr Tan is 38 years old and his son is 16 years old. In how many years' time will Mr Tan's age be twice the age of his son?

Answer : _____ [3M]

41. Thomas had $126. He gave $\frac{4}{9}$ of his money to his mother and gave the rest of the remainder to his two sisters, Jessie and Mabel, in the ratio 2 : 3. Mabel used $\frac{3}{7}$ of her money to buy a bag. How much money had Mabel left?

Answer : _____ [4M]

42. Michael, Jeremy and Andrew shared 320 marbles in the ratio 1 : 2 : 5. Jeremy lost $\frac{1}{2}$ of his marbles to Michael in the first round of game and Andrew lost $\frac{1}{2}$ of his marbles to Jeremy in the second round of game.

a) Find the ratio of the number of Michael's marbles to Jeremy marbles to Andrew's marbles after two round of games.

b) How many more marbles will Jeremy have than Michael if Andrew gave Michael 10 marbles after the second game?

Answer : (a)_____ [2M]

(b) _____ [2M]

43. Ken and Patrick had $625 at first. After buying some books, the amount of money Ken has left is 4 times the amount of money he spent and the amount of money Patrick has left is 5 times the amount of money he spent. Find the amount of money Patrick have at first if they have a total of $510 left.

Answer : _____ [4M]

44. Shawn spent $\frac{1}{6}$ of his money on a story book, $\frac{1}{12}$ of his money on a pen and $\frac{1}{2}$ of the remaining money on a box of poster paint.

a) What fraction of his money was left?
b) If he spent \$6.00 on the box of poster paint, how much money did he have at first?

Answer : (a) _____ [2M]

(b) _____ [2M]

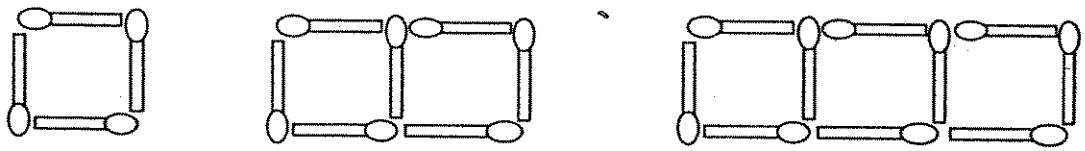
45. There are 85 plates of chicken rice for 80 people. Each adult eats 2 plates of chicken rice and every 3 children share 1 plate of chicken rice.
Find the number of adults and children respectively.

Answer: Adults : _____ [2M]

Children : _____ [2M]

46. Study the pattern in the diagram shown below.

Pattern 1 Pattern 2 Pattern 3



a) Complete the table below.

Pattern Number	Number of matchsticks
1	4
2	7
3	10
5	

[1]

b) How many matchsticks are there in Pattern 10?

c) Which pattern will have 61 matchsticks?

Answer : (b)_____ [2M]

(c) _____ [2M]

47. There was a car exhibition at the Singapore Expo. $\frac{2}{9}$ of the visitors were children. There were 4 000 more adults than children. The ratio of the number of boys to the number of girls was 3 : 5. The ratio of the number of men to the number of women was 3 : 1. Find the number of all male visitors in the car exhibition.

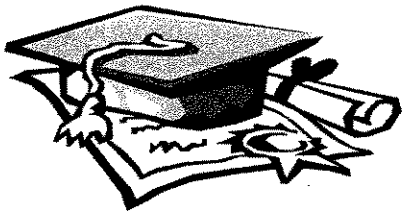
Answer : _____ [5M]

48. Four boys, Alex, Bryan, Calvin and Derrick, each have some stamps. The number of stamps Alex has is $\frac{1}{2}$ of the total number of stamps Bryan, Calvin and Derrick have. The number of stamps Bryan has is $\frac{1}{3}$ of the total number of stamps Alex, Calvin and Derrick have. The number of stamps Calvin has is $\frac{1}{4}$ of the total number of stamps Alex, Bryan and Derrick have. If Derrick has 78 stamps, find the total number of stamps Alex and Bryan have altogether.

Answer : _____ [5M]

END OF PAPER

Setter: Ms Yvonne Teo
Vetted by: P5 Math Teachers



ANSWER SHEET

ASC PRIMARY SCHOOL - PRIMARY 5 MATHEMATICS 2007
SEMESTRAL ASSESSMENT (1)

1. 3
2. 2
3. 4
4. 4
5. 2
6. 1
7. 4
8. 3
9. 4
10. 2
11. 2
12. 3
13. 4
14. 3
15. 4
16. 25000
17. 6
18. $60
19. 21
20. 7/12
21. 7:13
22. 36CM2
23. 25°
24. 1/9
25. 37
26. 1/6
27. 100
28. $2000
29. 46CM2
30. 4/9m2

31) 57°

32) 30cm2

33) 40°

34) 85kg

35) 1220

36) 23x12=276
276÷15=18r6
18+1=19
She will need 19 jars.

37) 1u→48
48x9=432
There were 432 pages in the book.

38) 82° +46° =128°
180° -128° =52°
∠BAE is 52°

39) 100÷2=50
101x50=5050
The sum is 5050

40) 38-16=22
22-16=6
In 6 years time, Mr Tam's age will be twice the age of his son.

41) 1-4/9=5/9
5/9x126/14=70
70÷5=14
14x3=42
1-3/7=4/7
4/7x42=24
She had $24 left.

42) 320÷8=40
40-m
40x2=80-J
40x5=200-A
80÷2=40
40+40=80-m
200÷2=100-A
100+40=140J
a) M : J : A
80:140:100
40:70 :50
8 :14 :10
4 : 7 :5
b) 100-10=90
80+10=90
140-90=50
a) The ratio is 4:7:5
b) Jeremy will have 50 more marbles than Micheal.

43) 625-510=115
115x4=460
510-460=50
50x3=300
Patrick has $300 at first.

44) a) 3/8 of the money was left.
b) He had $16 at first.

45) Adults=35
Children=45

46) a) 16
b) There will be 31 matchsticks in pattern 10.
c) 61 matchsticks.

47) 4800

48) 210

Name : _____( )

Class : Primary 5 _____

CHIJ ST NICHOLAS GIRLS' SCHOOL

Primary 5

First Semestral Assessment – 2007

Mathematics
Booklet A

7 May 2007

Duration of Paper : 2 hours 15 minutes

Do not open the booklet until you are told to do so.
Follow all instructions carefully.

Questions 1 to 10 carry 1 mark each. Questions 11 to 15 carry 2 marks each.

For each question, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4). Shade the correct oval (1, 2 ,3 or 4) on the Optical Answer Sheet (OAS).

(20 marks)

---

1) The number of spectators at a football match is 640 000 when rounded off to the nearest 1 000 spectators. Which one of the following is the possible number of spectators at the match?

1) 641 300
2) 640 290
3) 639 450
4) 630 900

2) 3 hundred and 30 thousands is _____ thousands less than 4 million and 6 hundred thousands.

1) 4 600
2) 4 270
3) 1 570
4) 1 300

3) 7 800 ÷ 6 is the same as _____.

1) 780 000 ÷ 10 000 ÷ 6
2) 780 000 ÷ 1 000 ÷ 6
3) 780 000 ÷ 100 ÷ 6
4) 780 000 ÷ 10 ÷ 6

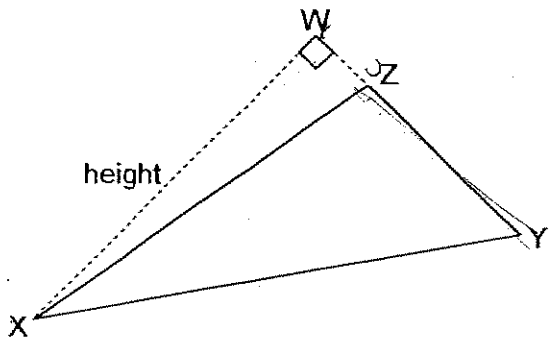
4) Wei Ming had 24 game cards. He gave 5 game cards to each of his 2 friends. How many games cards had he left?

1) (24 – 5) x 2
2) (24 ÷ 2) - 5
3) 24 – 5 x 2
4) 24 – 5 ÷ 2

5) What is the quotient of 7 955 ÷ 26?

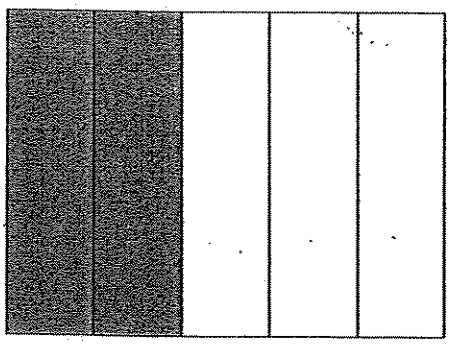
1) 350
2) 305
3) 35
4) 25

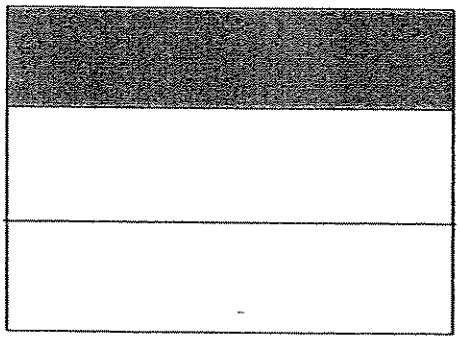
6) WX is the height of triangle XYZ. What is the base of triangle XYZ?



1) YZ
2) XY
3) XZ
4) WY

7) What is the sum of the shaded parts?





1) $\frac{11}{15}$
2) $\frac{4}{15}$
3) $\frac{3}{8}$
4) $\frac{3}{5}$

8) Subtract $2\frac{2}{3}$ from $3\frac{1}{4}$.

1) $\frac{5}{12}$ 2) $\frac{7}{12}$

3) $1\frac{1}{3}$ 4) $1\frac{5}{12}$

9) 5 kg of flour is packed equally into 3 bags. How much flour is in each bag?

1) $\frac{1}{5}$ kg 2) $\frac{3}{5}$ kg

3) $1\frac{2}{5}$ kg 4) $1\frac{2}{3}$ kg

10) 45 : 18 = ? : 6.

What is the missing number in the box?

1) 7 2) 15

3) 27 4) 33

11) A school wants to buy 62 computers at $1 389 each. How much money must the school set aside for buying the computers?

1) $36 114 2) $66 118

3) $83 340 4) $86 118

12) What is the sum of $5\frac{1}{4}$ and $3\frac{3}{10}$?

1) $8\frac{3}{40}$ 2) $8\frac{4}{14}$

3) $8\frac{10}{20}$ 4) $8\frac{11}{20}$

13) During a sports training, the time taken by 4 runners were recorded in the table shown below. Who is the fastest runner?

	Time taken
Muthu	138 s
Benny	$1\frac{3}{5}$ min
Xiaoming	$1\frac{3}{4}$ min
Jeffery	140 s

1) Muthu 2) Benny

3) Xiaoming 4) Jeffery

14) Dawn divided a piece of ribbon into 6 equal portions. She took 4 portions to wrap some gifts. In the end, she used only $\frac{1}{2}$ of the ribbons she had taken. What fraction of the original piece of ribbon did she use to wrap the gifts?

1) $\frac{1}{6}$ 2) $\frac{2}{3}$

3) $\frac{1}{3}$ 4) $\frac{1}{2}$

15) Liwen packed some fruits into a box as shown in the table below. What is the ratio of the number of cherries to the total number of fruits?

	Number of fruits
Cherries	8
Mangoes	5
Oranges	4
Bananas	2

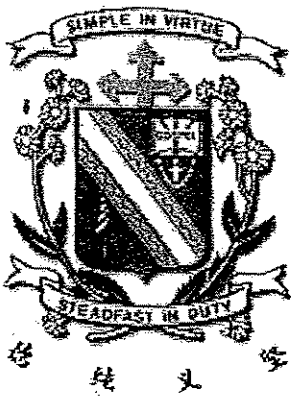
1) 4 : 8
2) 8 : 11
3) 8 : 19
4) 19 : 8

End of Section A

Name : _____( )

Class : Primary 5 _____

CHIJ ST NICHOLAS GIRLS' SCHOOL



Primary 5

First Semestral Assessment – 2007

Mathematics
Booklet B

7 May 2007

Booklet A:	**/ 20**
Booklet B :	**/ 80**
Total Marks	**/ 100**

_____
Parent's/Guardian's Signature

Duration of Paper : 2 hours 15 minutes

Do not open the booklet until you are told to do so.
Follow all instructions carefully.

Questions 16 to 25 carry 1 mark each. For each question, write your answers in the spaces provided. Give your answers in the units stated.

(10 marks)

Do not write in this space.

16) How many thousands are there in 9 632 000?

Ans : _____

17) 527 649 = 500 000 + ? + 600 + 40 + 9

What is the number in the box?

Ans : _____

18) In 8 640 931, the digit 6 is in the _____ place.

Ans : _____

19) Find the value of 48 + (27 – 3) ÷ 8.

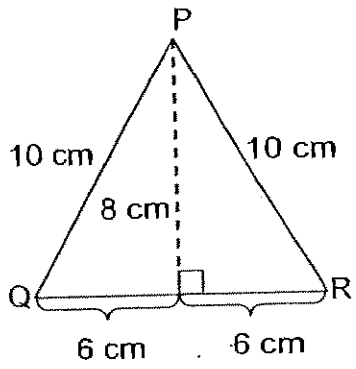
Ans : _____

Do not write in this space.

20) In 483 x 69 = 483 x 70 - 483 x ? , what is the missing number in the box?

Ans : _____

21) Find the area of triangle PQR.



Ans : _____ cm^2

22) A tin contained $\frac{3}{4}$ ℓ of oil. Mrs Wee used $\frac{1}{6}$ ℓ of the oil to fry some chicken wings. How much oil was left in the tin?
Leave your answer as a fraction in its simplest form.

Ans : _____ ℓ

Do not write in this space.

23) Find the numerator in the box.

$$9\frac{5}{8} = \frac{\boxed{?}}{40} + \frac{25}{40}$$

Ans : _____

24) Melvin completed a jigsaw puzzle in $2\frac{1}{5}$ h. How many minutes did he take to complete it?

Ans : _____ min

25) Aunt Anita bought 6 kg of crabs and 3 kg of prawns from the market. What is the ratio of the mass of prawns to the mass of crabs? Leave your answer in its simplest form.

Ans : _____

Questions 26 to 35 carry 2 marks each. Write your answers in the spaces provided. Give your answers in the units stated.

(20 marks)

Do not write in this space.

26) Complete the number pattern.

745 340 , 745 090 , _____ , 744 590 , _____ .

Ans : _____

and _____

27) Mr Raja had 1 024 markers. He sold them in packets of 16 markers each. How much money would he receive if he sold each packet of markers at $8?

Ans : $ _____

28) Rohan gave $\frac{4}{5}$ of his game cards to his brother. His brother returned 13 of the game cards and Rohan ended up with 48 game cards. How many game cards had Rohan at first?

Ans : _____

Do not write in this space.

29) A 2-litre bottle was filled with $\frac{3}{8}$ of orange juice. Siti poured all the orange juice equally into 6 glasses. How many millilitres of orange juice did each glass contain?

Ans : _____ mℓ

30) Mr Tay's salary is $\frac{2}{5}$ of Mr Wong's salary. If Mr Tay earns $1 368, how much does Mr Wong earn?

Ans : $ _____

31) There are 112 children at a library. $\frac{3}{8}$ of them are boys and the rest are girls. How many more girls than boys are there?

Ans : _____

Do not write in this space.

32) Nora bought 1 kg of beans. She poured $\frac{3}{10}$ kg of beans into some bags and $\frac{2}{5}$ of the remainder into a bottle. What was the mass of beans in the bottle?

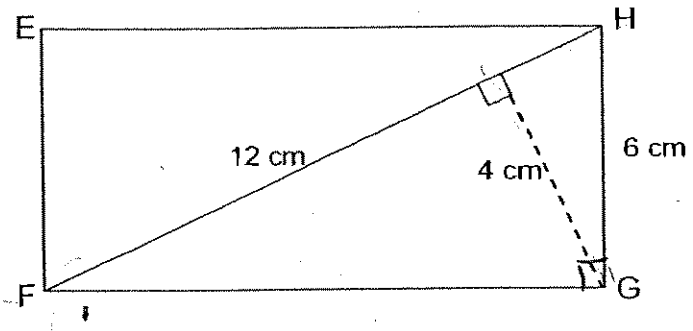
Ans : _____ kg

33) The perimeter of an equilateral triangle is $\frac{15}{17}$ m. Find the length of each side. Leave your answer in its simplest form.

Ans : _____ m

Do not write in this space.

34) In rectangle EFGH, FH is 12 cm. Find the area of the rectangle.



Ans : _____ cm^2

35) There are altogether 28 white and grey chairs in a classroom. If 10 of them are white, find the ratio of the number of white chairs to the number of grey chairs. Leave your answer in its simplest form.

Ans : _____

End of Section B

Do not write in this space.

For questions 36 to 48, show your working clearly in the space below each question and write your answers in the space provided. The number of marks available is shown in the brackets ( ) at the end of each question or part-question.

(50 marks)

36) Class 5A sold 3 times as many funfair coupons as Class 5B on Saturday. On Sunday, Class 5A sold another 75 coupons while Class 5B sold another 127 coupons. The total number of coupons sold by each class then became the same. Find the number of funfair coupons sold by Class 5A on Saturday.

Ans : _____ (3 m)

Mr Lee planned to collect $80 000 from the sale of sofas in his furniture shop. At the end of the day, he collected $7 460 less than his planned amount. If he sold 26 identical sets of sofas, what is the selling price of each sofa?

Ans : _____ (3 m)

Do not write in this space.

38) Iris and Nelly received $856 from their father. Iris received more money than Nelly. When Iris bought a gift for $36 and Nelly received an additional $38 from her mother, their amount of money became the same. How much money did Nelly receive from her father?

Ans : _____ (3 m)

39) Ron jogged $1\frac{2}{5}$ km. His friend, Gopal, jogged $\frac{3}{4}$ km more. What is the total distance covered by the boys? **Leave your answer in metres.**

Ans : _____ (3 m)

Do not write in this space.

40) Miss Yong went shopping with $\frac{4}{7}$ of her savings. She spent $124 on a watch and had $210 left. How much was her savings?

Ans : _____ (3 m)

41) In a fish tank, there were 60 guppies and goldfish in all. $\frac{2}{3}$ of them were guppies and the rest were goldfish. If 10 more guppies were added into the tank, what fraction of the fish in the tank were guppies?

Ans : _____ (3 m)

Do not write in this space.

42) The total mass of 4 watermelons and 3 pineapples is 4 620g. Each watermelon weighs twice as heavy as each pineapple. What is the mass of 7 watermelons?

Ans : _____ (4 m)

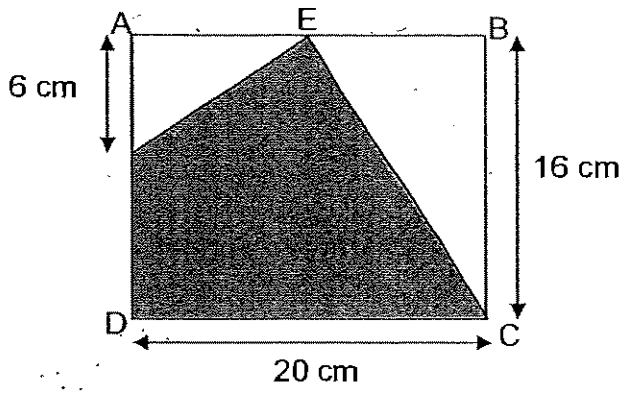
Do not write in this space.

43) Megan wanted to pack a box of crayons into some plastic bags. If she put 4 crayons into each bag, she would have 3 crayons left. If she put 5 crayons into each bag, she would be short of 3 crayons. How many crayons did she have in the box?

Ans : _____ (4 m)

Do not write in this space.

44) ABCD is a rectangle of sides 20 cm and 16 cm. Given that AE = EB, what is the area of the shaded part?



Ans : _____ (4m)

Do not write in this space.

45) In a factory, machine A is able to print 58 posters per minute. Machine B is able to print 12 more posters than machine A per minute. Find the total number of posters printed by both machines after 3 hours.

Ans : _____ (5m)

Do not write in this space.

46) A painter mixed some paint together to paint a house. He used $\frac{1}{3}$ of the paint on the first day and $\frac{5}{12}$ of the paint on the second day. On the third day, he used $\frac{5}{6}$ of the remaining paint and 4 ℓ of paint was left. How much paint did the painter mix at first?

Ans : _____ (5m)

Do not write in this space.

47) Mrs Faridah sold $\frac{2}{5}$ of her curry puffs in the morning and $\frac{1}{2}$ of the remainder in the afternoon.

a) What fraction of the curry puffs was sold in the afternoon?

b) If she sold 96 curry puffs in the morning, how many curry puffs were left unsold?

Ans : a) _____ (1 m)

b) _____ (4 m)

Do not write in this space.

48) 3 bottles, A, B and C, were filled with water. Bottle A contained 5 times as much water as Bottle B. Bottle C contained $\frac{1}{3}$ as much water as Bottle B. If Bottle A contained 72 mℓ more water than Bottle B, how much water did all the 3 bottles contain in all?

Ans : _____ (5 m)

End of Paper

ANSWER SHEET

CHIJ PRIMARY SCHOOL - PRIMARY 5 MATHEMATICS 2007
SEMESTRAL ASSESSMENT (1)

1. 2
2. 2
3. 3
4. 3
5. 2
6. 1
7. 1
8. 2
9. 4
10. 2
11. 4
12. 4
13. 2
14. 3
15. 3
16. 9632
17. 27000
18. hundred thousands
19. 51
20. 1
21. 48cm2
22. 7/12L
23. 360
24. 132 min
25. 1:2
26. 744840 and 744340
27. $512
28. 175
29. 125ml
30. $3420

31) 28

32) 7/25kg

33) 5/17m

34) 48cm2

35) 5:9

36) 127-75=52
2u→52
1u→52÷2=26
26x3=78

37) $2790

38) 38+36=74
856-74=782
782÷2=$391

39) 3550m

40) 124+210=334
4u→334
1u→334÷4=83.50
7u→83.50x7=$584.50

41) 3u→60
1u→60÷3=20
2u→20x2=40
guppies→40+10=50
fraction=50/70
=5/7

42) 11 small units → 4620 ÷ 11 = 420
8 small units → 420 x 8 = 3360
14 small units → 420 x 14 = 5880g

43) She has 27 crayons.

44) Area of A → ½ x 10 x 6 = 30
Area of B → ½ x 16 x 10 = 160/2 = 80
Total area → 16 x 20 = 320
Shaded → 320 - 80 - 30 = 210cm2

45) 23040

46) 96L

47) a) 3/10
b) 4u → 96
1u → 96 ÷ 4 = 24
3u → 24 x 3 = 72

48) 4u → 72
1u → 72 ÷ 4 = 18
A → 18 x 5 = 90
B → 18
C → 18 ÷ 3 = 6
Total → 90 + 18 + 6 = 114ml

NANYANG PRIMARY SCHOOL
SECOND CONTINUAL ASSESSMENT 2007
MATHEMATICS
PRIMARY FIVE

Name: _____( ) Marks : /100

Class: Primary 5 ( ) Parent's Signature:

Date: 23 August 2007

Duration: 2 hours 15 minutes

Booklet A

Questions **1** to **10** carry 1 mark each. Questions **11** to **15** carry 2 marks each. For each question, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4). Shade the oval (1, 2, 3 or 4) on the Optical Answer Sheet.

(20 marks)

---

1 Find the value of $\frac{3}{4} \times \frac{4}{15}$.

(1) $\frac{1}{20}$

(2) $\frac{1}{5}$

(3) $\frac{2}{5}$

(4) $\frac{3}{5}$

2 The perimeter of a triangle is 84 cm. If the ratio of the 3 sides is 3 : 4 : 7, what is the length of the shortest side?

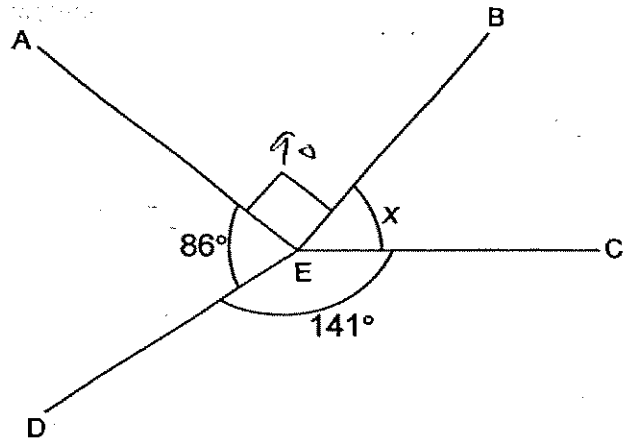
(1) 6 cm

(2) 12 cm

(3) 18 cm

(4) 21 cm

3 The figure below is not drawn to scale. If $\angle$ AED is 86° and $\angle$ CED is 141°, find $\angle x$.



(1) 35°

(2) 39°

(3) 43°

(4) 51°

4 A Mathematics workbook costs \$1.75. How much will 200 such workbooks cost?

(1) \$35

(2) \$150

(3) \$175

(4) \$350

5 Express 10 m 4 cm as a decimal.

(1) 1.04 m

(2) 10.004 m

(3) 10.04 m

(4) 10.4 m

6 What is the product of 0.78 and 12?

(1) 2.34

(2) 9.26

(3) 9.36

(4) 12.168

7 Express 130 as a percentage of 520.

(1) 25 %

(2) 40 %

(3) 60 %

(4) 75 %

8 There were 500 pupils at the track and field selection. 350 pupils were selected. What percentage of the pupils was not selected?

(1) 20%

(2) 30%

(3) 40%

(4) 70%

9 The table below shows the mass of 4 boys.

Name	Mass in kg
Ahmad	22
Bruce	25
Cai Ming	31
Daniel	23

Whose mass is the closest to the average mass of the 4 boys?

(1) Ahmad

(2) Bruce

(3) Cai Ming

(4) Daniel

10 Zhi Yan can sew 18 buttons in 30 minutes. At this rate, how many buttons can she sew in 45 minutes?

(1) 12

(2) 27

(3) 36

(4) 75

25

11 What is the value of $35 + (41 - 16) \div 5 \times 2$?

(1) 6

(2) 24

(3) 45

(4) 80

12 $\frac{2}{3}$ of a cake was shared equally among Zhou Xuan, Bala and Zuraidah. Only Bala and Zuraidah ate their share of the cake. What fraction of the cake was eaten by them?

(1) $\frac{1}{9}$

(2) $\frac{2}{9}$

(3) $\frac{4}{9}$

(4) $\frac{5}{9}$

13 Mr Ahmad bought a television set for $2800. He had to pay 7% GST (Goods and Services Tax) for his purchase. What was the total amount of money he had to pay?

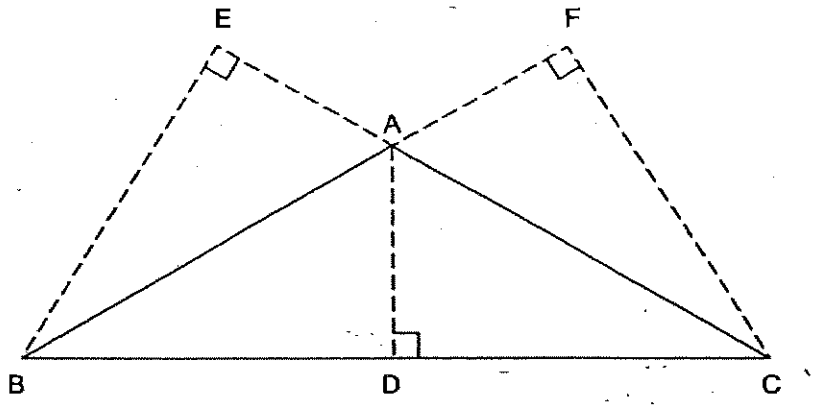
(1) $196

(2) $2604

(3) $2996

(4) $5796

14 What is the height of triangle ABC if the base is AB?



(1) AD

(2) AF

(3) BE

(4) CF

15 Nathaniel spent $\frac{5}{9}$ of his money on a calculator and $\frac{3}{8}$ of the remaining money on a pen. What fraction of his money had he left?

(1) $\frac{1}{6}$

(2) $\frac{5}{8}$

(3) $\frac{5}{18}$

(4) $\frac{5}{72}$

350

Name: _____ ( ) Class: Pr 5 ( )

P5 CA2 2007

Booklet B

Questions **16** to **25** carry 1 mark each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

(10 marks)

---

16 What is the value of 70 + (80 ÷ 4) × 2 ?

Ans: _____

---

17 Jenny works 22 days every month. If she is paid $128 per day, how much will she earn in a year?

Ans: $_____

---

18 What is the missing fraction in the box? Give your answer in the simplest form.

$\frac{1}{2} + \square = \frac{1}{4} + \frac{2}{3}$

Ans: _____

---

19 For every pizza that Bobby makes, he uses $\frac{3}{4}$ cup of cheese. How many cups of cheese does he use to make 24 pizzas?

Ans: _____

---

20 Express 25 minutes as a fraction of 3 hours. Give your answer in the simplest form.

Ans: _____

---

21 There are 420 books in the library. Two out of every three books are English books. How many English books are there?

Ans: _____

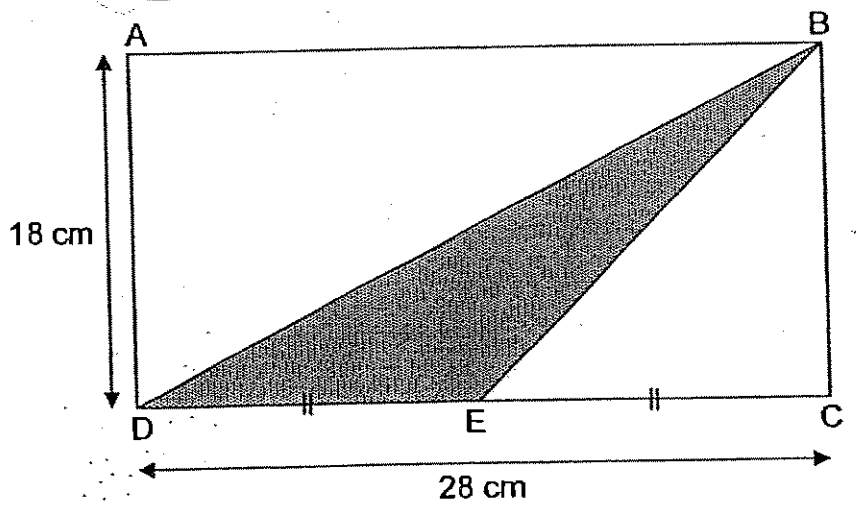
---

22 There are some red, green and yellow marbles in a bag. 0.24 of the marbles are green and 0.1 of the marbles are red. What percentage of the marbles are yellow?

Ans: _____ ___%

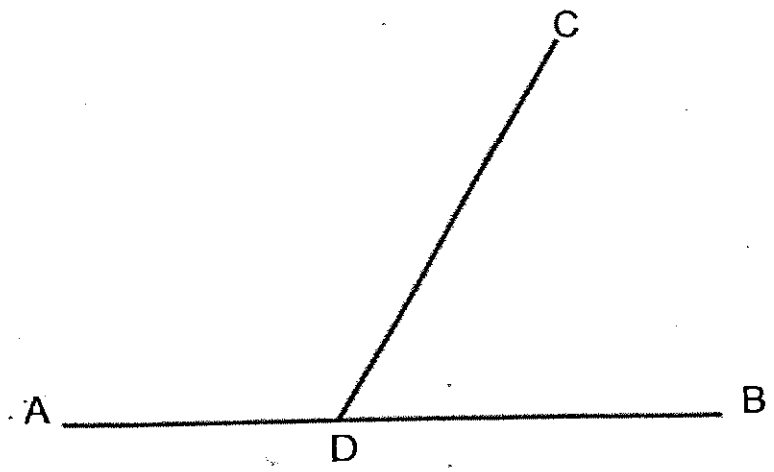
352

23 In the figure, ABCD is a rectangle. DE is equal to EC. What is the area of the shaded triangle?



Ans: _____ cm^2

24 AB is a straight line. Using a protractor, measure ∠ CDB.



Ans: _____ °

353

25 The table show the charges for renting bicycles.

Bicycle Rental Charges	
For the first hour	$5.00
For every additional 30 minutes or part thereof	$2.50

Joline rented a bicycle at 11.00 a.m. She returned it at 1.25 p.m. How much did she pay for renting the bicycle?

Ans: $_____

354

Questions **26** to **35** carry 2 marks each. Show your working clearly in the space below each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

(20 marks)

---

26 What is the difference between the value of the digit 7 and the value of the digit 9 in the number 741 983?

Ans: _____

---

27 Linda baked 1592 muffins. She gave 32 muffins to her neighbours and packed the rest equally into 65 boxes. How many muffins were there in each box?

Ans: _____

---

28 Weihao cycled $1\frac{1}{3}$ km from his house to the library. He then cycled $2\frac{1}{6}$ km to the sports complex. On his way home, taking the same route, he stopped at the shopping mall which is $1\frac{5}{8}$ km from the sports complex. How many more kilometres must he cycle to reach home?

Ans: _____ km

355

29 $\frac{2}{5}$ of Fiona's earnings is equal to $\frac{1}{3}$ of Sally's earnings. What fraction of ~~Sandy's~~ Sally's earnings is Fiona's earnings? Give your answer in the simplest form.

Ans: _____

---

30 Helen is 3 years older than Mike. If Mike is 8 years old now, find the ratio of his age to Helen's age in 4 years' time. Give your answer in the simplest form.

Ans: _____

---

31 Muthu can skip 120 times in 1.5 min. At this rate, how many times can he skip in 15 seconds?

Ans: _____

---

32 25% of a number is 125. What is 60% of the number?

Ans: _____

---

33 Mr Tan bought a house in Town A for $2 482 000. Mr Yeo bought a house in Town B and paid $873 000 more than Mr Tan. What was the price of Mr Yeo's house when rounded off to the nearest hundred thousand dollars?

Ans: $_____

---

34 The average height of 3 boys is 121 cm. The height of the first boy is 116 cm and that of the second boy is 119 cm. Find the height of the third boy.

Ans: _____m

---

35 Balen invited 5 ex-classmates to his home for a gathering. At the end of the gathering, every one of them shook hands once with each other before leaving. How many handshakes were there altogether?

Ans: _____

357

Name: _____( ) Class: Pr 5 ( )

P5 CA2 2007

For questions **36** to **48**, show your working clearly in the space provided for each question and write your answers in the spaces provided.
The number of marks available is shown in brackets [ ] at the end of each question or part-question.

(50 marks)

---

36 There were 1600 adults in the auditorium. 25% of them were men. During the interval, 100 men left the auditorium. What was the new percentage of men in the auditorium?

Ans: _____ [3]

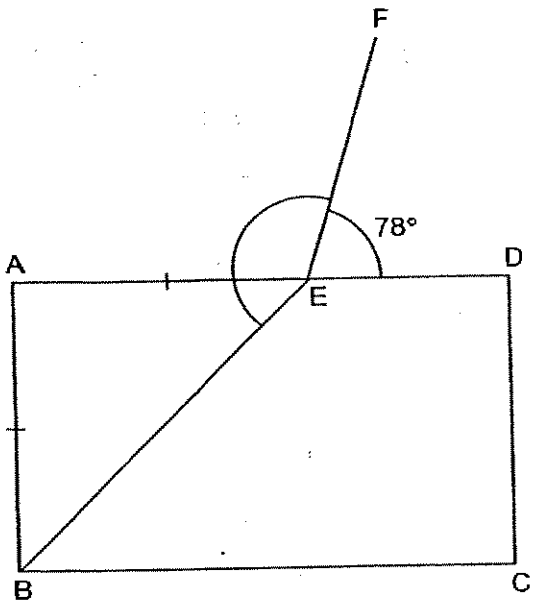
---

37 Julian has been working as a salesman for 7 months and his average monthly income is $980. Find the average monthly income he has to earn for the next 5 months so that his average monthly income throughout the year will be $1000.

Ans: $_____ [3]

---

38 The figure below is not drawn to scale. ABCD is a rectangle. $\angle FED$ is 78°. Find $\angle BEF$.



Ans: _____ [3]

---

39 During a 200 m torch relay, a scout was placed at the starting point and at every 5 m interval from the starting point.

(a) How far away was the 12^{th} scout from the starting point?
(b) How many scouts were there from the starting point to the 120 m mark?

Ans: (a) _____ [1]

(b) _____ [2]

359

40 The ratio of the number of adults to the number of children at a fun fair was 10 : 7. The ratio of the number of boys to the number of girls was 3 : 1. If there were 66 more adults than girls at the fun fair, how many more boys than girls were there at the fun fair?

Ans: _____ [3]

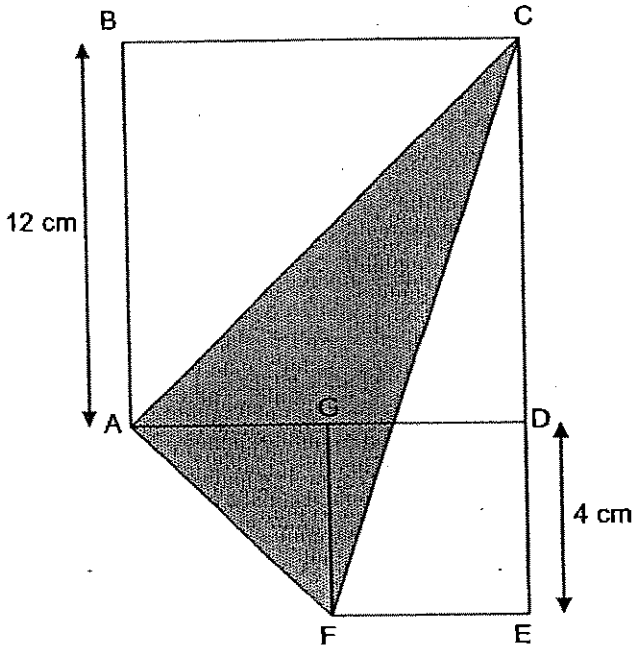
---

41 Mrs Aminah bought 200 metres of cloth at $3.20 per metre. If she was given a discount of $0.70 for every metre of cloth that she bought, how many more metres of cloth could she have bought with the same amount of money?

Ans: _____ [3]

360

42 In the figure, ABCD and DEFG are squares. AB = 12 cm and DE = 4 cm. Find the area of the shaded part.



Ans: _____ [4]

43 Jeryl bought 3 similar bags and 4 similar watches. Each watch cost $28 more than each bag. If the total cost of the watches was $152 more than the total cost of the bags, how much did Jeryl spend in all?

Ans: _____ [4]

362

44 The table below shows the rate of charges for taxi fare.

Booking Fee • Monday to Friday – 7.00 a.m. to 9.30 a.m. 5.00 p.m. to 11.00 p.m. • All other times (including Saturday, Sunday and all Public Holidays)	$4.00 $2.50
Charges for 1st km or less	$2.50
Charges for every 200 metres thereafter	$0.10

Mr Lee booked a taxi at 10.00 a.m. His taxi fare came up to $9. What was the maximum distance he could have travelled?

Ans: _____ [4]

363

45 Bill, Sam and John had gone to BORDERS to buy some books. Bill spent $\frac{3}{5}$ as much money as Sam and John. Sam spent $\frac{1}{5}$ as much money as Bill and John. If John spent $20 more than Bill, how much did they spend altogether?

Ans: _____ [5]

46 The mass of a ceramic vase is 2.5 kg while the mass of a steel vase is 3.7 kg. Nigel bought a total of 20 ceramic and steel vases and the total mass was 58.4 kg.

(a) How many ceramic vases did Nigel buy?
(b) What percentage of the vases are steel vases?

Ans: (a) _____ [3]

(b) _____ [2]

47 The ratio of the amount of orange juice in Jug A to the amount of orange juice in Jug B was 3 : 2. When 60 ml of juice from Jug A was poured into Jug B, the ratio of the amount of orange juice in Jug A to the amount of orange juice in Jug B became 1 : 2. What was the amount of orange juice in Jug B at first?

Ans: _____ [5]

366

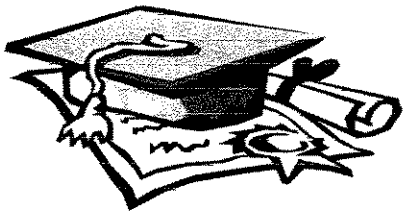
48 Timothy had a box of strawberry sweets and pineapple sweets. When he added in 30 strawberry sweets, 20% of the sweets were pineapple sweets. When he added in another 100 pineapple sweets, 60% of the sweets were pineapple sweets. How many strawberry sweets were there in the container at first?

Ans: _____ [5]

END OF PAPER

Setters: Mr Brandon Ng & Mrs Chee Kim Ee

367



ANSWER SHEET

NANYANG PRIMARY SCHOOL - PRIMARY 5 MATHEMATICS 2007
CONTINUAL ASSESSMENT (2)

1. 2
2. 3
3. 3
4. 4
5. 3
6. 3
7. 1
8. 2
9. 2
10. 2
11. 3
12. 3
13. 3
14. 1
15. 4
16. 110
17. $33792
18. 5/12
19. 18
20. 5/26
21. 280
22. 66%
23. 126cm2
24. 60°
25. $12.50
26. 699100
27. 24
28. $1\frac{7}{8}$km
29. 5/6
30. 4:5
31. 20

32) 300

33) $3400000

34) 1.28m

35) 15

36) 20%

37) $1000x12=$12000
$980x7=$6860
$12000-$6860=$5140
$5140÷5=$1028

38) 180° -90° =90°
90° ÷2=45°
180° -78° =102°
102° +45° =147°

39) a) 55m b) 25

40) 28

41) $3.20x2.00=$6.40
$3.20-$0.70=$2.50
$6.40÷$2.50=256
256m-200m=56m

42) 16x12=192
½ x12x12=72
½ x4x16=32
½ x4x8=16
192-72-32-16=72cm2

43) 4y+112=3y+152
Y=40
40+28=68
68x4=272
40x3=120
120+272=$392

44) 9km

45) $24

46) a) 3.7x20=74
74-58.4=15.6
3.7-2.5=1.2
15.6÷1.2=13
b) 20-13=7
7/20x100%=35%

47) 90

48) 120-20=100
100÷100=1
1u=1
1x80=80
80-30=50

Rosyth School
Second Continual Assessment 2007
Mathematics
Primary 5

100

Name: _____

Class: Pr 5- _____ Register No. _____ Duration: 1¼ hours 15 min

Date: 21 August 2007 Parent's Signature: _____

BOOKLET A

Instructions to Pupils:

1. Do not open any booklet until you are told to do so.
2. Follow all instructions carefully.
3. This paper consists of 3 parts, Sections A, B and C.
4. For questions 1 to 15 in Booklet A, shade the correct ovals on the Optical Answer Sheet (OAS).

	Maximum	Marks Obtained
Section A	20	
Section B	30	
Section C	50	
Total	100	

* Booklet A consists of **6** pages altogether.

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Section A

Questions 1 to 10 carry 1 mark each. Questions 11 to 15 carry 2 marks each. For each question, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 and 4). Shade the correct answer on the OAS (Optical Answer Sheet). (20 marks)

---

1) Round off 150 837 to the nearest thousand.

(1) 150 000

(2) 150 800

(3) 151 000

(4) 200 000

2) What is the value of $36 - (10 + 14) \div 2$?

(1) 12

(2) 20

(3) 24

(4) 33

3) $5\frac{7}{12} - 3\frac{1}{12} = \square$

(1) $8\frac{2}{3}$

(2) $2\frac{2}{3}$

(3) $2\frac{7}{12}$

(4) $2\frac{1}{2}$

4) Mr Toh bought 56 ℓ of paint. His workers used $\frac{7}{8}$ of the paint to paint some offices. How many litres of paint did the workers use?

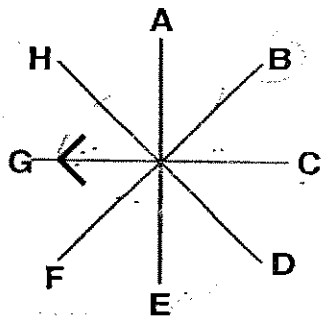
(1) 7 ℓ

(2) 14 ℓ

(3) 42 ℓ

(4) 49 ℓ

5) Jen Yee is facing the letter 'G'. If she makes a 135° turn clockwise, which letter will she be facing?



(1) H

(2) F

(3) D

(4) B

6) Which of the following is the biggest number that can be divided by 5 with no remainder?

(1) 9305

(2) 9350

(3) 9503

(4) 9530

7) Carissa has 20.8 m of ribbon. If she cuts it into 400 equal pieces, what would be the length of each short piece of ribbon?

(1) 0.052 m

(2) 0.52 m

(3) 83.2 m

(4) 8320 m

8) Express $\frac{21}{30}$ as a percentage.

(1) 7%

(2) 21%

(3) 30%

(4) 70%

9) Elvin earned a total of 73 points after playing 5 games. Find the average number of points Elvin scored for the 5 games.

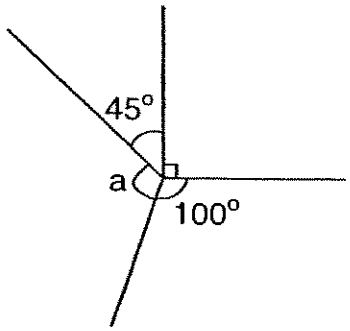
(1) 14

(2) 14.6

(3) 15

(4) 15.6

10) In the figure below, not drawn to scale, find $\angle a$.



(1) 125°

(2) 145°

(3) 215°

(4) 235°

11) Calculate 0.84×76.

(1) 6.384

(2) 63.84

(3) 638.4

(4) 6384

12) Kenneth bought some pens and files for $40. He bought more pens than files. The extra number of pens cost $5. If a pen and a file together cost $5, how many files did he buy?

(1) 7

(2) 8

(3) 10

(4) 30

13) After a class party, Kevin has $\frac{7}{8}\ell$ of orange juice and $\frac{3}{4}\ell$ of apple juice left. He gave Jerrick $\frac{5}{7}$ of the orange juice and $\frac{2}{3}$ of the apple juice. What is the total volume of juice that Jerrick received?

(1) $1\frac{1}{8}\ell$

(2) $1\frac{8}{21}\ell$

(3) $1\frac{3}{8}\ell$

(4) $1\frac{5}{8}\ell$

14) $\frac{3}{5}$ of the pens in a box are red pens. 10% of the remainder are green pens and the rest are blue pens. There are 12 more red pens than blue pens in the box. How many pens are there altogether in the box?

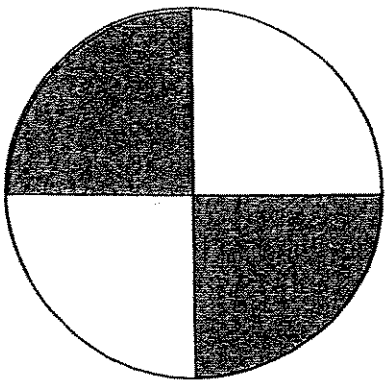
(1) 20

(2) 40

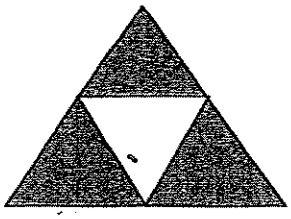
(3) 50

(4) 200

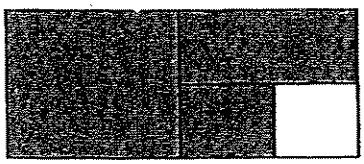
15)



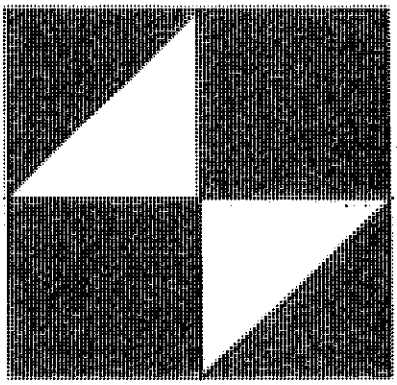
Circle



Equilateral Triangle



Rectangle



Square

Which 2 shapes have the same percentage of shaded areas?

(1) Circle and Square

(2) Equilateral Triangle and Rectangle

(3) Equilateral Triangle and Square

(4) Rectangle and Square

~END OF BOOKLET A~

Rosyth School
Second Continual Assessment 2007
Mathematics
Primary 5

Name: _____

Class: Pr 5 _____ Register No. _____

Date: 21 August 2007 Parent's Signature: _____

BOOKLET B

Instructions to Pupils:
1. Do not open this booklet until you are told to do so.
2. Follow all instructions carefully.
3. This paper consists of 2 sections, sections B and C.
4. For questions 26 to 48, show all relevant working in the spaces provided.
5. ANSWER ALL THE QUESTIONS

* This paper consists of **15** pages altogether.

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Section B

Questions **16** to **25** carry 1 mark each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (10 marks)

16) Add the values of the digit **2** in 2 100 and 1 200?

Ans: _____

17) Find the product of 76 and 45.

Ans: _____

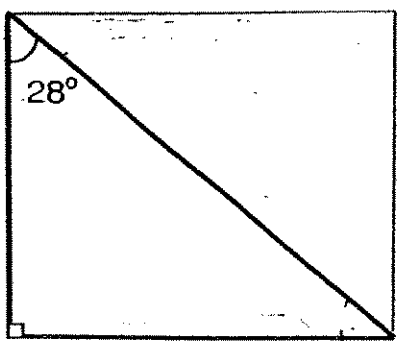
18) May and her 3 children shared $\frac{2}{3}$ of a pie.
What fraction of the pie did each of them get?

Ans: _____

19) $\frac{5}{6} \square \frac{1}{4} = \frac{7}{12}$
What is the missing sign in the equation?

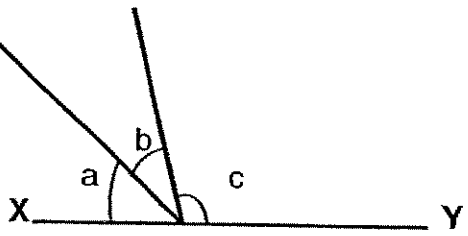
Ans: _____

20) The ~~figure~~ rectangle below is not drawn to scale. Find ∠f.



Ans: _____ °

21) If XY is a straight line, what is the sum of ∠a, ∠b and ∠c?



Ans: _____ °

22) 2 tenths + 8 hundredths + 6 thousandths = _____

Ans: _____

23) Express $2\frac{7}{9}$ as a decimal correct to **2 decimal places.**

Ans: _____

24) There were 20 apples in a basket. 12 apples were rotten.
What percentage of the apples were rotten?

Ans: _____

25) The average weight of 2 boys is 45kg.
If one of the boys weighs 35kg, what is the weight of the other boy?

Ans: _____ kg

Questions **26** to **35** carry 2 marks each. Show your working clearly in the space below each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

(20 marks)

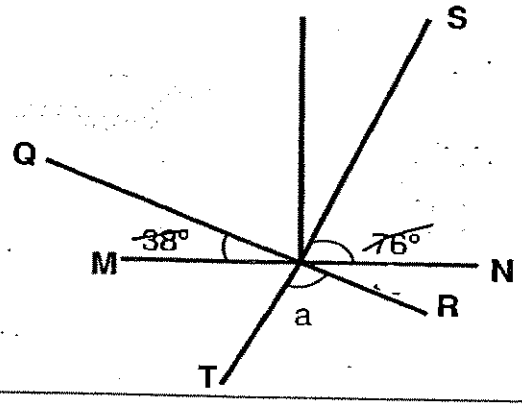
26) Toby used $\frac{1}{5}$ of his money to buy a toy car.

He gave $\frac{1}{2}$ of the remainder to his mother. He had $200 left.

How much did he have at first?

Ans: $ _____

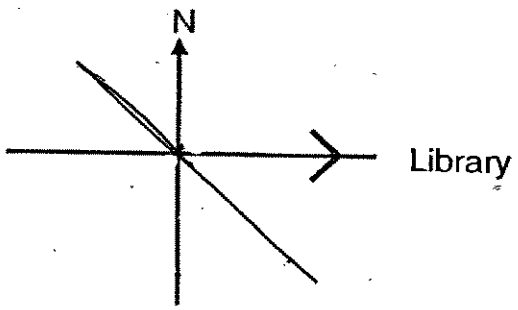
27) The figure below is not drawn to scale.
If MN, QR and ST are straight lines, find ∠a.



Ans: _____ °

28) Joe was facing the library. He turned clockwise to face south-west.

What angle did he tum through?



Ans: _____ °

29) Kevin has 135 straws. If his sister ~~gave~~ gives him 70 straws, they will have an equal number of straws. How many straws does his sister have?

Ans: _____

30) The cost of tiling a floor is $46 ~~per metre~~ for every square metre.
How much does it cost to tile a square floor of sides 7m?

Ans: $_____

31) 25% of the animals at the SPCA are cats. 15% are rabbits and the rest are dogs. If there are 180 dogs, how many animals are there altogether at the shelter?

Ans: _____

32) Andy spent $21 on 12 notebooks and 6 pens. If the cost of 2 pens is the same as the cost of 3 notebooks, find the cost of each pen.

Ans: $_____

33) Penny deposited $2 000 into a savings account. The interest rate is 4% per year. After a year, she decided to withdraw all her money and close her account. What is the total amount of money she withdrew?

Ans: $ _____

---

34) Jack scored 70 marks in his CA1 Mathematics paper and 84 in the recent CA2 paper. Express the increase in marks as a percentage of Jack's first CA mark.

Ans: _____

---

35) A school library has 100 more Chinese books than Malay books. It has twice as many English books as Chinese books. The average number of books for each language is 380. How many Malay books are there?

Ans: _____

Section C

For questions **36** to **48**, show your working clearly in the space provided for each question and write your answers in the spaces provided.
The number of marks available is shown in brackets [ ] at the end of each question or part question.

(50 marks)

---

36) At the Rosyth jumble sale, old story books are sold for $0.40 each or 3 for $1.00. What is the maximum number of books you can buy with $18.90?

Ans:_____ **[3]**

---

37) Peter paid $4.80 for an ice-cream and 2 fish burgers. If each fish burger cost 60 cents more than an ice-cream, what was the price of an ice-cream?

Ans:_____ **[3]**

38) Haikal's height is $\frac{7}{8}$ of Dillon's height. Edward is $\frac{3}{4}$ as tall as Haikal. If Dillon's height is 176cm, find Edward's height in **centimetres.**

Ans:_____ **[3]**

---

39) The total height of eight children is 9m 20cm. If the average height of three of them is 1m 40cm, find the average height of the other five children.

Ans:_____ **[3]**

40) 1 kg of sugar cost $0.85 and 1 kg of rice cost $6.50. A housewife bought 5kg of sugar and 8kg of rice. How much would she have to pay for 5 kg of sugar and 8kg of rice?

Ans:_____**[3]**

---

41) Mark had a box of pencils. He gave 40 pencils to Alex and 15 pencils to Haresh. Mark bought another 84 pencils. After that, he gave half of the number of pencils he had to Su Lynn. He was finally left with 48 pencils. How many pencils had Mark at first?

Ans_____**[3]**

42) John and Mary had $57.50 altogether. When Mary gave $3.85 to John, they found that both of them had equal amounts of money.

a) How much more money did Mary have than John at first?

b) How much did John have at first?

Ans: (a)_____**[1]**

(b)_____**[3]**

43) A metal container weighed 2.8 kg when it was $\frac{1}{4}$ filled with water. The same metal container weighed 4.2 kg when it was $\frac{5}{6}$ full of water. What is the weight of the empty metal container in **kilograms**?

Ans:_____ **[4]**

44) Rebecca and Kenneth had a total of \$80. After Kenneth spent $\frac{1}{3}$ of his money and Rebecca spent \$25, they had the same amount of money left. How much money had Rebecca at first?

Ans:_____**[4]**

45) A shoe cabinet and a chair cost $92 altogether. A shoe cabinet and a table cost $212 altogether. A table costs 4 times as much money as a chair. If Miss Lee bought 2 tables, 3 chairs and 1 shoe cabinet, how much did she spend altogether?

Ans:_____ **[5]**

46) A baker baked 800 cookies. He sold 60% of them at 40 cents each. Then he packed the rest into packets, each containing 4 cookies and sold all the packets at $2 each.

(a) How many packets of cookies did he have?

(b) How much money did he collect altogether?

Ans: (a)_____**[2]**

(b)_____**[3]**

47. 20% of the people at a book fair are boys. The number of girls is $\frac{1}{2}$ the number of boys. There are thrice as many women as girls. The number of men in the book fair is 177 more than the number of girls. How many people are there in the book fair altogether?

Ans:_____ **[5]**

48. Klara, Rachel, Megan and Jane were given $1800. Klara received 3 times as much money as Rachel. Megan received $\frac{1}{3}$ of the amount received by both Klara and Rachel. Jane received $\frac{1}{8}$ of the total amount of money received by Klara, Rachel and Megan.

(a) How much money did Rachel receive?

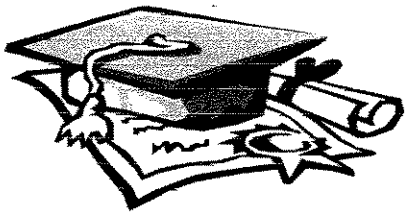
(b) What fraction of the total amount of money did Klara receive?

Ans: (a) _____ **[3]**

(b) _____ **[2]**

~END OF PAPER~

Have you checked your work thoroughly?



ANSWER SHEET

ROSYTH PRIMARY SCHOOL - PRIMARY 5 MATHEMATICS 2007
CONTINUAL ASSESSMENT (2)

1. 3
2. 3
3. 4
4. 4
5. 4
6. 4
7. 1
8. 4
9. 2
10. 1
11. 2
12. 1
13. 1
14. 3
15. 3
16. 2200
17. 3420
18. 1/6
19. -
20. 62
21. 180°
22. 0.286
23. 2.88
24. 60%
25. 55 kg
26. $500
27. 66°
28. 135
29. 275 straws
30. $2254

31) 300 animals
32) $1.50
33) $2080
34) 20%
35) 210 malay books
36) 18.90÷1.00=18
0.90÷0.40=2
18x3=54
54+2=56
The maximum number of books you can buy with $18.90 is 56

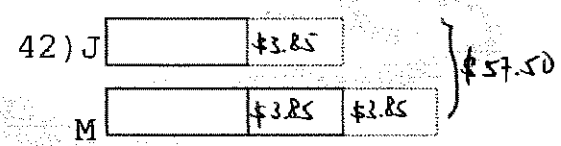
37) 60x2=1.20
4.80-1.20=3.60
3.60÷3=1.20
The price of an ice-cream is $1.20

38) 7/8x176=154
3/4x154=115.5cm

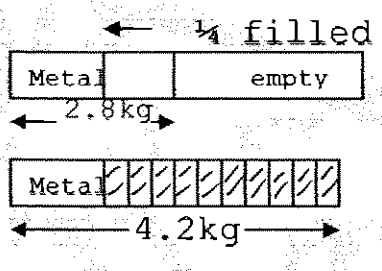
39) 140x3=420
920-420=500
500÷5=100
The average height of the other five children is 1m

40) (sugar)5kg→0.85x5=4.25
(Rice)8kg→6.50x8=52.00
52.00+4.25=56.25
She would have to pay $56.25 For 5kg of sugar and 8kg of Rice.

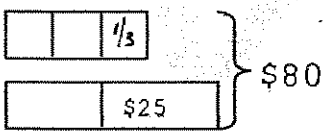
41) 48x2=96
96-84=12
12+15=27
27+40=67
Mark had 67 pencils at first.

42)


3.85x2=7.70
a) Mary had $7.70 more than John at first
b) 57.50-7.70=49.80
19.80÷2=24.90
John had $24.90 at first.

43)


4.2-2.8=1.4
1.4÷7=0.2
0.2x3=0.6
2.8-0.6=2.2
The weight of the metal container is 2.2 kg.

44)


80-25=55
55÷5=11
11x2=22
22+25=47
Rebecca had $47 at first.

45) 212-92=120
120÷3=40
3c→40x3=120
2+→40x8=320
1c→52+440=492
She spent $492 altogether.

46) a) 800÷10=80
80x6=480
480x0.40=192.00
800-480=320
320÷4=80
He had 80 packets of cookies
b) 80x2=160
192+160=352
He collected $352 altogether.

47) 4u-1u=3u
177÷3=59
59x10=590
There were 590 people in the book fair.

48) a) 1800÷18=100
100x3=300
Rachel received $300
b) 100x9=900
900/1800= ½
She received ½ of the total amount.

NAN HUA PRIMARY SCHOOL

CONTINUAL ASSESSMENT 2 - 2007

PRIMARY 5

MATHEMATICS

(BOOKLET A)

Booklet A	/ 20
Booklet B	/ 80
TOTAL	/100

Name:_____ ( )

Class: Pr. 5_____

Date: 21 August 2007

_____
Parent's Signature & Date

Total Time for booklets A and B: 2 hour 15 minutes

INSTRUCTION TO CANDIDATES

1. Write your Index Number in the boxes at the top right-hand corner.
2. Do not turn over the page until you are told to do so.
3. Follow all instructions carefully.
4. Answer all questions.
5. Shade your answers in the Optical Answer Sheet (OAS) provided.

Questions **1** to **10** carry 1 mark each. Questions **11** to **15** carry 2 marks each.
For each question, 4 options are given. Only one of them is correct.
Make your choice (1, 2, 3 or 4). Shade the correct oval in the Optical Answer Sheet (OAS) provided. (20 marks)

1. In the decimal 37.209, the digit _____ is in the **tenths** place.

(1) 0
(2) 2
(3) 7
(4) 9 ( )

2. What is 9 kg 75 g in kilograms ?

(1) 0.975kg
(2) 9.075kg
(3) 9.705kg
(4) 9.750kg ( )

3. Find the sum of $3\frac{1}{5}$ and $\frac{1}{7}$.

(1) $\frac{16}{35}$
(2) $3\frac{1}{6}$
(3) $3\frac{2}{35}$
(4) $3\frac{12}{35}$ ( )

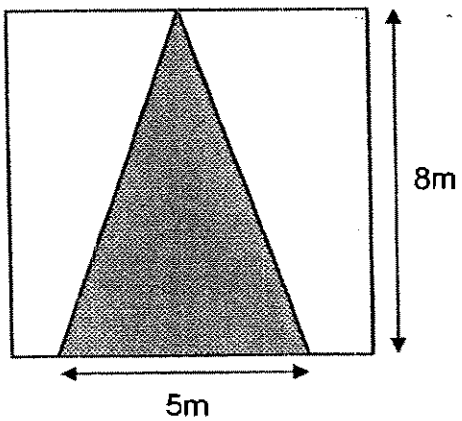
4. Sandy had $\frac{3}{4}$ of a pie. She gave $\frac{2}{3}$ of her share to Tim.
What fraction of the pie did Tim get?

(1) $\frac{1}{12}$
(2) $\frac{1}{3}$
(3) $\frac{1}{2}$
(4) $\frac{2}{3}$ ( )

5. The number when divided by 16, gives a quotient of 19 and a remainder of 7 is _____.

(1) 623
(2) 311
(3) 283
(4) 131 ( )

6. What is the area of the **unshaded** portion of the square?
(The figure is not drawn to scale.)



(1) 20 m^2
(2) 40 m^2
(3) 44 m^2
(4) 64 m^2 ( )

7. Ahmad's monthly salary is $1 200. He saved $700 and spent the rest. Find the ratio of his savings to his salary.

(1) 5 : 12
(2) 7 : 12
(3) 12 : 5
(4) 12 : 7

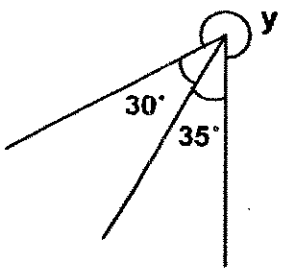
( )

8. If 9.04 = 9 + $\square$, what is the missing fraction ?

(1) $\frac{2}{25}$
(2) $\frac{1}{25}$
(3) $\frac{2}{5}$
(4) $\frac{1}{8}$

( )

9. The figure below is not drawn to scale. Find $\angle y$.



(1) 180° – 65°
(2) 270° + 65°
(3) 270° – (30° + 35°)
(4) 360° – (30° + 35°)

( )

10. Mrs Tan bought 3 m of string. If she used 0.4 m of it and divided the remaining string equally to tie 4 boxes, how much string did she use to tie one box ?

(1) 2.6 m
(2) 1.6 m
(3) 0.65 m
(4) 0.45 m ( )

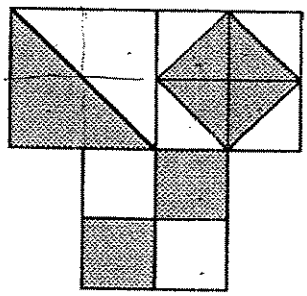
11. Alice had $\frac{7}{10}$ m of a rope. He cut it into 5 equal pieces.
What was the length of each piece of rope?

(1) $\frac{7}{50}$ m
(2) $3\frac{1}{2}$ m
(3) $5\frac{7}{10}$ m
(4) $7\frac{1}{7}$ m ( )

12. What percentage of 2 kg is 120 g?

(1) 6%
(2) 12%
(3) 24%
(4) 48% ( )

13. What percentage of the figure below is shaded?



(1) 25%
(2) 33%
(3) 50%
(4) 75%

( )

14. The ratio of the number of 5-cent to 10-cent to 20-cent coins in a piggy bank is 2 : 3 : 5. If there are eighty 10-cent and 20-cent coins altogether, how many **5-cent coins** are there?

(1) 10
(2) 20
(3) 32
(4) 116

( )

15. The ratio of the number of men to children to women at a funfair is 2 : 13 : 5. What percentage of the people at the funfair are adults?

(1) 25%
(2) 35%
(3) 65%
(4) 90%

( )

Booklet B

Nan Hua Primary School
Continual Assessment 2 - 2007
Mathematics - Primary 5

Name: _____ ( ) Marks: _____ / 80

Class: Pr 5 ( )

Questions **16** to **25** carry 1 mark each. Write your answers in the spaces provided. Give your answers in the units stated. (10 marks)

---

16. Form the **largest odd** number with the digits 7, 8, 0, 5, 2.

Ans: _____

17. The average of six numbers is 5. If another number is added to it, the new total becomes 50. What is the new number?

Ans: _____

18. $\frac{3}{8}$ of the pupils in a class are boys. What percentage of the pupils in the class are boys?

Ans: _____ %

19. What is the missing decimal?

1.448, 1.528, _____, 1.688, 1.768

Ans: _____

20. Mr Lee and his family had a dinner at a restaurant. The dinner cost $300. He also had to pay 7% GST. How much did he pay altogether?

Ans: $_____

21. $85 + 85 + 20 \times 85 =$ _____ $\times 85$

Ans: _____

22. $216 - 135 \div 3 + (18 - 16) =$ _____

Ans: _____

23. Add 13 689 to 186 and round off the answer to the nearest thousand.

Ans: _____

24. 3 : 11 = ☐ : 55

The missing number in the box is _____.

Ans: _____

25. How many **eighths** are there in $3\frac{1}{4}$?

Ans: _____ eighths

Questions **26** to **35** carry 2 marks each. Show your workings clearly in the space below each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (20 marks)

26. Karen had $7\frac{1}{4}$ kg of sugar. She packed 250 g of it into each plastic bag and sealed each bag. How many bags did she use?

Ans: _____ bags

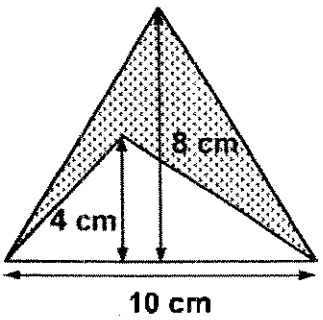
27. Wei Li ate 4 chocolates and 10 gummy bears. Min Hui ate 6 chocolates and 6 gummy bears. What is the ratio of the total number of gummy bears to the total number of chocolates that were eaten by the 2 pupils? Give your answer in the simplest form.

Ans: _____ : _____

28. At a supermarket, salmon fillets are sold at $2.05 for every 100 g.
What is the cost of 1.5 kg of salmon fillet?

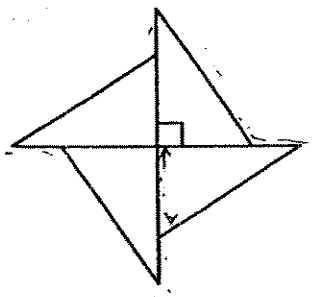
Ans: $_____

29. What is the area of the shaded region ? The figure is not drawn to scale.



Ans: _____ cm^2

30. The figure is made up of 4 identical right-angled triangles (not drawn to scale).
The shortest side of each triangle is 3 m. The perimeter of each triangle is 12m.
Find the perimeter of the figure.



Ans: _____ m

31. Patricia spent \$79.10 on 4 blouses and 3 skirts altogether.
Each skirt cost \$2.10 more than each blouse. Find the cost of each blouse.

Ans: \$_____

32. Melissa, Ned and Larry shared 100 marbles among themselves.
Melissa and Ned each got 17 more marbles than Larry.
How many marbles did Larry get ?

Ans: _____ marbles

33. A taxi driver charged \$2.40 for the first kilometre and \$0.30 for every $\frac{1}{2}$ km or part thereof. How much will a passenger have to pay for a journey of $2\frac{1}{4}$ km ?

Ans: \$_____

34. The scoring system in a game is as follows:

First 20 marbles collected	30 points
Next 20 marbles collected	1 point per marble
Additional marbles above 40	2 points for every 3 marbles

Simon collected 46 marbles. How many points did he get altogether ?

Ans: _____ points

35. The table below shows the daily rental rates for a HDB room. How much does Mrs Lim need to pay if she rents one such room from Thursday to Sunday?

	Daily rental rate
Mondays to Fridays	$120
Saturdays and Sundays	$150

Ans: $ _____

For questions 36 to 48, show your workings clearly in the space provided for each question and write your answers in the spaces provided.
The number of marks available is shown in brackets [ ] at the end of each question or part-question. (50 marks)

---

36. 32% of the fruits at a fruit stall are cherries. 28% of them are apricots. The remaining 240 fruits are lychees. What is the total number of fruits at the stall?

Ans: _____ [3]

37. The total mass of Ali and Bala is 36.7kg. The total mass of Bala and Charles is 42.9 kg. If the mass of Ali is $\frac{2}{3}$ the mass of Charles, find the mass of Ali.

Ans: _____ [3]

38 In a certain shop, the cost of developing a roll of film and the printing of photographs were displayed as follows.

Cost of developing 1 roll of film	$3.00

Cost of printing of photographs	
Number of photographs	**Cost**
First 30	20¢ per photograph
Above 30	15¢ per photograph

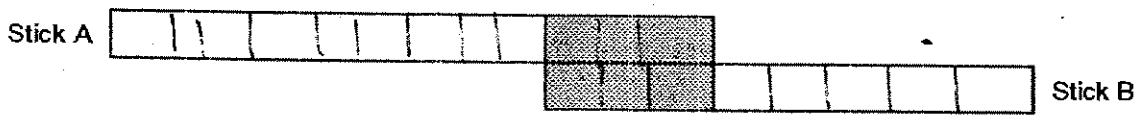
Lee Min paid $12.45 for 1 roll of film to be developed and the photographs to be printed. How many photographs were printed?

Ans: _____ [3]

39. The **perimeter** of a square garden is 80 m. $\frac{1}{5}$ of the garden is used to grow vegetables. 22% is used to grow cactus. 42% is used to grow fruit trees and the remaining area is used to grow non-flowering plants. Find the area of the garden that is used to grow non-flowering plants.

Ans: _____ [3]

40. The diagram below, not drawn to scale, shows two sticks.
$\frac{1}{4}$ of Stick A is joined to $\frac{3}{8}$ of Stick B.
Find the ratio of the length of Stick A to the length of Stick B.



Ans: _____ [3]

41. Kelvin bought 3 streamers, streamer A, streamer B and streamer C.
The length of streamer A is $\frac{3}{4}$ of streamer B. Streamer C is $\frac{2}{3}$ as long as streamer A. If streamer B is 48 cm long, find the length of streamer C.

Ans: _____ [3]

42. Mr Tan bought 12 packets of lollipops. Each packet had 25 lollipops. In order for each of his 42 students to have 5 lollipops each, what was the **minimum** number of packets he had to open?

Ans: _____ [4]

43. Reddie posted 7 parcels. 2 of them had a total mass of 34 kg. 3 of them had a mass of 12 kg each. The remaining parcels had a mass of 14 kg each. What was the average mass of the 7 parcels ?

Ans: _____ [4]

44. Ali sold a total of 128 cans of Chrysanthemum, Green Tea and Sprite on Monday.
On Tuesday, he sold twice as many cans of Chrysanthemum as on Monday.
The same number of cans of Green Tea were sold on both days.
8 more cans of Sprite were sold on Monday than on Tuesday.
He sold an equal number of cans of Chrysanthemum, Green Tea and Sprite on Tuesday.
Express the total number of cans of drinks sold on Monday as a ratio of the total number of cans of drinks sold on Tuesday.

Ans: _____ [4]

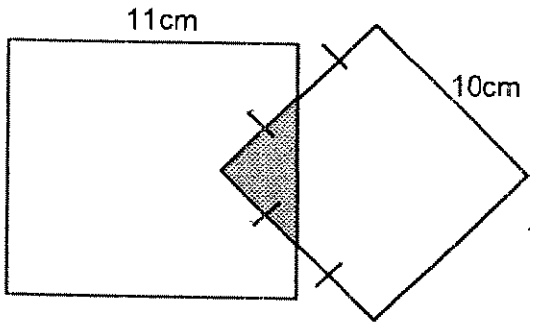
45. Evan and Lionel had a total of 72 marbles. Evan gave $\frac{1}{3}$ of his marbles to Lionel. Lionel then gave $\frac{2}{5}$ of the total number of marbles he had to Evan. In the end, each of them had the same number of marbles. How many marbles did ~~each of them~~ Lionel have at first ?

Ans:_____ [5]

46. Two squares overlap to form a triangle as shown in the figure below.
The figure is not drawn to scale.

(a) Find the area of the shaded triangle.

(b) Find the total area of the unshaded parts.



Ans: (a) _____ [2]

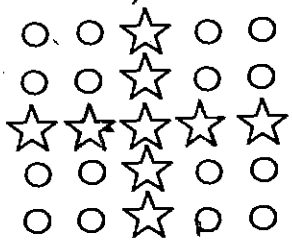
(b) _____ [3]

47. Study the table and pattern carefully and answer the questions that follow.

Pattern 1

Pattern 2

Pattern 3



Pattern Number	Number of Stars	Number of Circles
Pattern 1	1	0
Pattern 2	5	4
Pattern 3	9	16
Pattern 4	13	(a) _____

(a) How many circles will there be for Pattern 4 ?

(b) How many stars are there in Pattern 20 ?

(c) In Pattern 8, how many **more** circles are there than stars ?

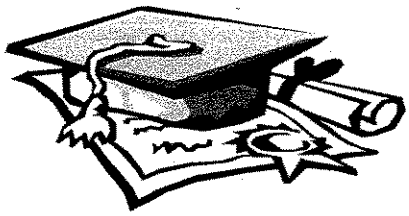
Ans: (a)_____ [1]

(b)_____ [2]

(c)_____ [2]

48. On Friday, 2 800 adults attended a musical. The ratio of the number of men to the number of women was 2 : 5. On Saturday, 500 fewer women attended the musical. The number of men who attended the musical was 40% of the number of women on that day. What was the percentage decrease in the number of adults who attended the musical on Saturday?

Ans: _____ [5]



ANSWER SHEET

NAN HUA PRIMARY SCHOOL - PRIMARY 5 MATHEMATICS 2007
CONTINUAL ASSESSMENT (2)

1. 2
2. 2
3. 4
4. 3
5. 2
6. 3
7. 2
8. 2
9. 4
10. 3
11. 1
12. 1
13. 3
14. 2
15. 2
16. 87205
17. 20
18. 37.5%
19. 1.608
20. $321
21. 22
22. 173
23. 14000
24. 15
25. 26 eighths

26) $7\frac{1}{4}$kg=7000g+250g=7250g
250g each bag
7250g÷250g=29 bags.

27)

gummy	:	chocolates
10+6	:	6+4
16	:	10
8	:	5

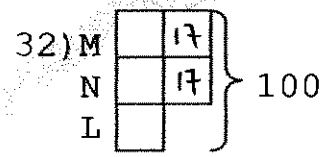
28) 100g→$2.05
1500g→100gx15=1500g
15x$2.05=$30.75

29) ½ x10cmx4cm=20cm2
½ x10cmx8cm=40cm2
40cm2-20cm2=20cm2

30) 12m-3m=9m
9m-3m=6m
6mx4=24m

31) 3x$2.10=$6.30
$79.10-$6.30=$72.80
$72.80÷7=$10.40

32)



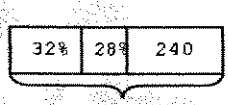
100-(17x2)=66
66÷3=22 marbles.

33) 1st km→$2.40
1 ¼ km→ ½ km+ ½ km+ ¼ km
$0.30x3=$0.90
$2.40+$0.90=$3.30

34) first 20→30
next20→20x1=20
(extra)→6÷3=2
2x2=4
4+20+30=54 points.

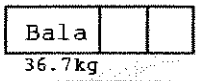
35) Thursday & Friday→$120x2=$240
Sat & Sun→ $150x2=$300
$240+$300=$540

36)

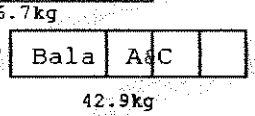


Ch &ap.-->32%+28%=60%
1yc→100%-60%=40%
40%-->240
1%-->240÷40=6
Total→6x100=600
The total number of fruits is 600

37) Ali & Bala



Bala & charles



1 unit→42.9kg-36.7kg=6.2kg
Ali→6.2kgx2=12.4kg
Ali's mass is 12.4kg.

38) 1 roll developed→$3
Print.money→$12.45-$3=$9.45
30→30x20¢=$6.00
$9.45-$6=$3.45
How many→$3.45÷15¢=23
Total photos→23+30=53
53 photographs were printed.

39) 1 side→80m÷4=20m
Area →20mx20m=400m2
1/5 →400m2÷5=80m2
22% →400m2x22%=88m2
42% →400m2x42%=168m2
168m2+88m2+80m2=336m2
Left→400m2-336m2=64m2
The area of the garden used is 64m2

40) Stick A : Stick B
4x3 : 8
12 : 8
6 : 4
3 : 2
The ratio is 3:2

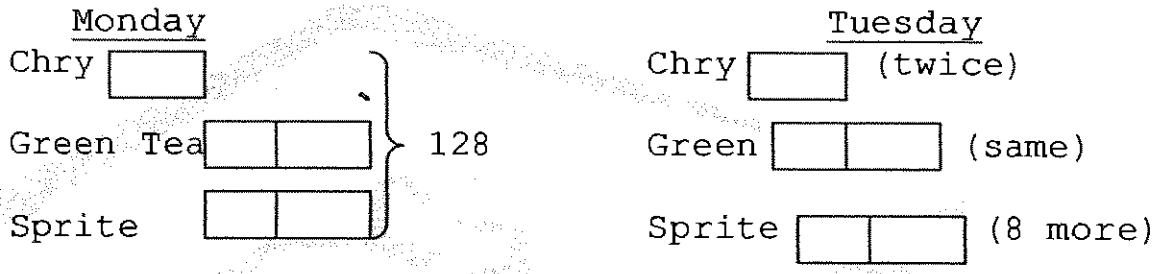
41) A
B 48cm
C ?

1 unit→48cm÷4=12cm
C→12cm2x=24cm
The length is 24cm.

42) total need→42x5=210
Packs→210÷25=8.4
≈9(in order for 42 students to have 5 lollipops each). 9 packets had to be opened.

43) 2→34kg
3→12kgx3=36kg
7-5=2
2→2x14kg=28kg
Total →34kg+36kg+28kg=98kg
1 parcel→98kg÷7=14kg
The average mass is 14kg.

44)



Monday→128
5units→128-8=120
1 unit→120÷5=24
Monday→128
Tuesday→
Chry→ 24x2=48
Green→48
Sprite→48
48x3=144
128 : 144
64 : 72
32 : 36
16 : 18
8 : 9
The ratio is 8:9

45) 1 unit→72÷6=12
Evan→(12÷2)x3=18
Lionel→9x6=54
Lionel had 54 marbles.

46) a) ½ x5cmx5cm=12.5cm2
The area is 12.5cm2
b) big square→11cmx11cm=121cm2
small square→10cmx10cm=100cm2
big unshaded→121cm2-12.5cm2=108.5cm2
small unshaded→100cm2-12.5cm2=87.5cm2
108.5cm2+87.5cm2=196cm2
The total area is 196cm2

47) a) 1 side → 5
5x4=20
20+16=36
There will be 36 circles for pattern 4.
b) There are 77 stars in pattern20.
c) There will be 167 more circles than stars.

48) 1 unit → 2800÷7=400
Men → 400x2=800
Women → 5x400=2000
Women → 2000-500=1500
Men → 1500x40%=600
Total → 600+1500=2100
Less → 2800-2100=700
700/2800= ¼ =25%
The percentage decrease is 25%.

---end---

RAFFLES GIRLS' PRIMARY SCHOOL

SEMESTRAL ASSESSMENT 2
2007

Your Score Out of 100 marks		
	Class	Level
Highest score		
Average score		
Parent's Signature		

Name : _____ ( ) Class: P5__

24 Oct 2007 MATHEMATICS Att: 2 h 15 min

SECTION A (20 marks)

Question 1 to 10 carry 1 mark each. Question 11 to 15 carry 2 marks each. For each question, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4). Shade your answer (1, 2, 3 or 4) on the OAS provided.

1. 4 hundreds, 3 tenths and 5 thousandths is _____.

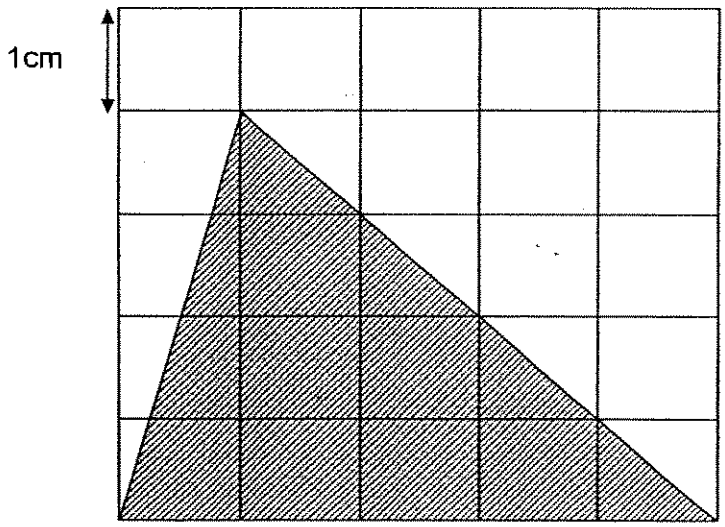
(1) 400.305
(2) 400.350
(3) 430.005
(4) 430.500 ( )

2. How many tenths are needed to make up $\frac{2}{5}$?

(1) 5
(2) 2
(3) 8
(4) 4 ( )

427

3. The side of each small square in the figure is 1 cm.
The area of the shaded region is _____ cm^2.

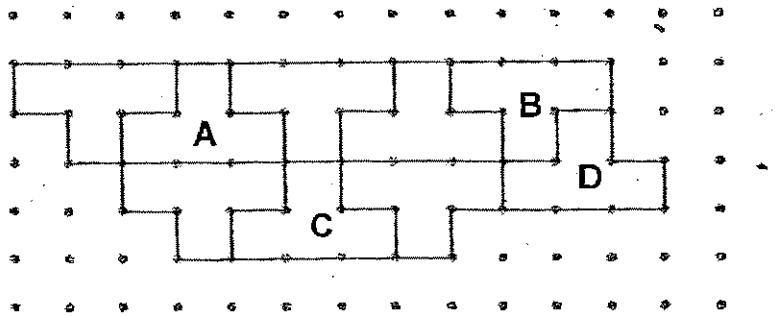


(1) 10.0
(2) 12.5
(3) 14.0
(4) 15.0 ( )

4. David is facing west.
In which direction will he be facing if he turns 315° clockwise.

(1) Northeast
(2) Northwest
(3) Southeast
(4) Southwest ( )

5. Which of the following tessellation shape was drawn **wrongly**?



(1) A
(2) B
(3) C
(4) D ( )

6. Round off 87 536 to the nearest thousand.

(1) 87 000
(2) 87 500
(3) 88 000
(4) 88 500 ( )

7. 25% of a number is 100. What is this number?

(1) 25
(2) 50
(3) 400
(4) 500 ( )

8. Express $\frac{45}{100}$ as a decimal.

(1) 45.0
(2) 4.5
(3) 0.45
(4) 0.045 ( )

9. A machine printed 14 pieces of stickers in 6 minutes.
How many pieces of stickers can the machine print if it works continuously for 15 minutes?

(1) 30
(2) 32
(3) 35
(4) 40 ( )

10. The average of eight numbers is 45.
The sum of five of the numbers is 110, what is the sum of the other three numbers?

(1) 135
(2) 250
(3) 360
(4) 470 ( )

11. Three fractions are shown below.
Find the difference between the **largest** and **smallest** fractions.

$\frac{3}{5}$, $\frac{3}{4}$, $\frac{2}{3}$

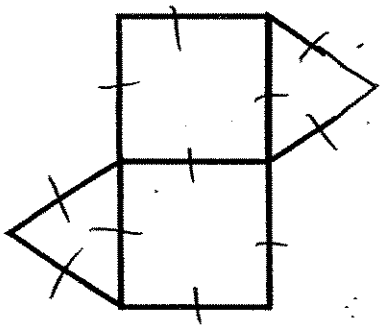
(1) $\frac{1}{10}$

(2) $\frac{1}{12}$

(3) $\frac{3}{20}$

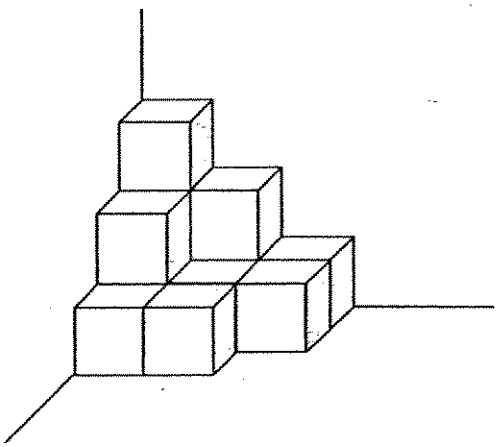
(4) $\frac{1}{15}$ ( )

12. The figure below is made up of 2 identical squares and 2 identical equilateral triangles.
A piece of wire, 88 cm long, is used to form the figure.
What is the perimeter of the figure?



(1) 64 cm
(2) 72 cm
(3) 77 cm
(4) 99 cm ( )

13. The figure below is made up of 1-cm cubes stacked at the side of the wall.
Find the volume of the figure.



(1) 8 cm^3
(2) 9 cm^3
(3) 11 cm^3
(4) 12 cm^3 ( )

14. The charges for a taxi ride are shown in the table below.
Study the table carefully.

Description	Charges
First 1 kilometre	$2.50
Every 200 metres thereafter or less (Up to 10 km)	$0.10
Every 175 metres thereafter or less (after 10 km)	$0.10
Every 15 seconds of waiting	$0.10

Siti's home is 8 km from her workplace.
She took a taxi to work in the morning and the taxi only stopped once at a traffic light for 30 seconds.
How much did she pay?

(1) $3.50
(2) $3.70
(3) $6.00
(4) $6.20 ( )

15. Some factors of 18 can be multiples of 3. How many are there?

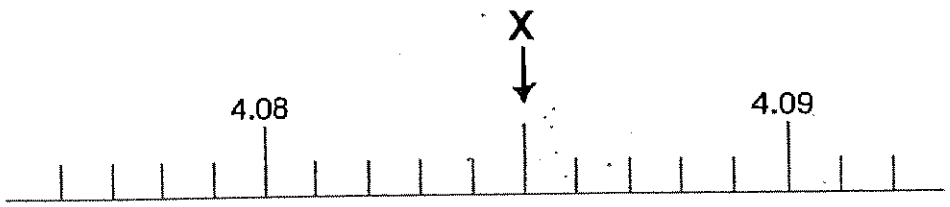
(1) 1
(2) 2
(3) 3
(4) 4 ( )

END OF SECTION A

SECTION B (30 marks)

Question 16 to 25 carry 1 mark each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated. All diagrams are not drawn to scale. Answers in fractions or ratio must be expressed in the simplest form.

16. What is the value of the point marked "X"? (Give your answer as a decimal)



Ans: _____

17. What is the missing number in the box?

$32.74 \times 24 = 32.74 + 32.74 + 32.74 \times \square$

Ans: _____

18. The capacity of a container was 20 litres.
Some water was poured into the container till it was $\frac{3}{5}$ full.
How many litres of water were poured into the container?

Ans: _____ *l*

433

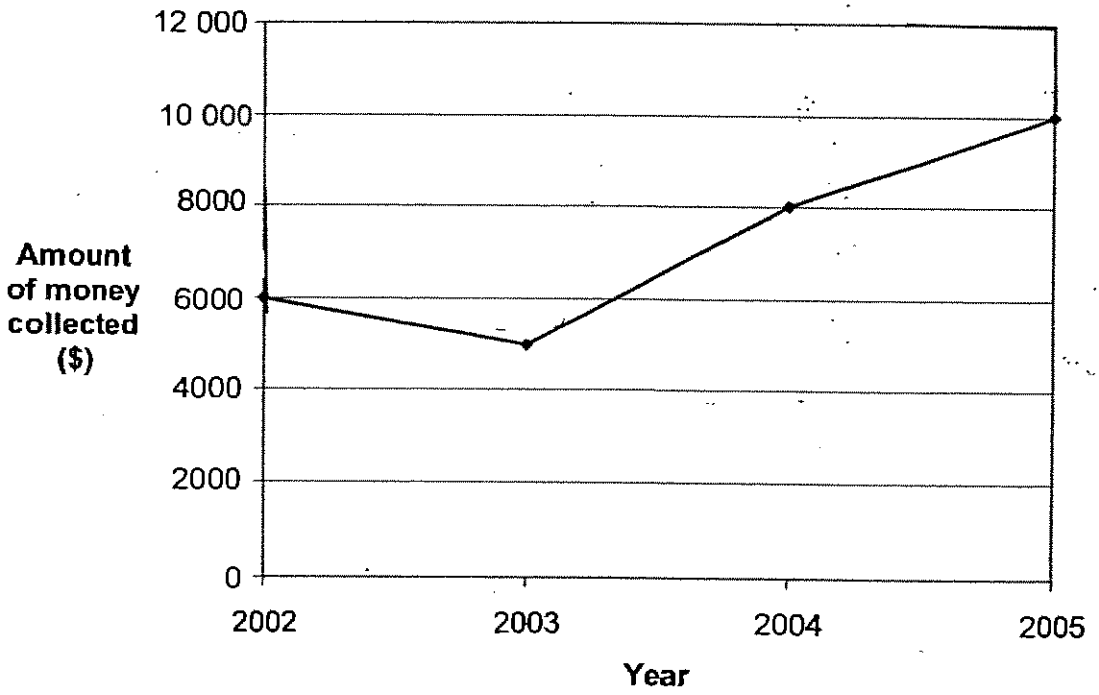
19. Given that

$$\hexagon + \hexagon + \hexagon = \frac{9}{10}$$

What is the value of $\hexagon$?

Ans: _____

20. The line graph below shows the amount of money collected in a CIP fair from year 2002 to 2005.

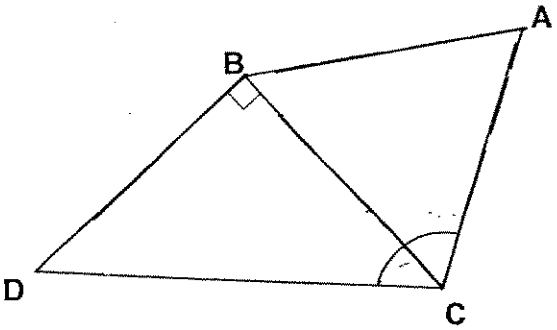


What is the total amount of money collected in 2002 and 2005?

434

Ans: $ _____

21. In the figure below, ABC is an equilateral triangle and BDC is a right-angled isosceles triangle.
Find ∠ DCA.



Ans: _____ ^{0}

22. Ravi can cycle at 500 m per minute.
How many minutes will he take to complete 4.5 km?

Ans: _____ minutes

23. Jeremy is 1.65 m tall. He is 17 cm taller than Arun.
What is Arun's height in metres?

Ans: _____ m

435

24. Rachel took two weeks to read a storybook of 126 pages.
She read 70 pages in the first week.
On the average, how many pages did she read a day in the second week?

Ans: _____

25. In a school, the ratio of the number of boys to the number of girls is 1 : 4.
What percentage of the pupils in the school are boys?

Ans: _____ %

Question 26 to 35 carry 2 marks each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated. All diagrams are not drawn to scale. Answers in fractions or ratio must be expressed in the simplest form. Marks will be awarded for relevant working.

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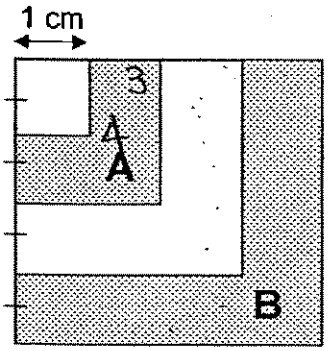
26. The figure below is made up of 4 squares overlapping one another.

What is the ratio of shaded area A to shaded area B?



Ans: _____

27. At a party of 25 guests, each guest drank an average of 0.2 l of soda.

The host prepared $10\frac{3}{4}$ l of soda.

How many litres of soda were left?

Ans: _____ l

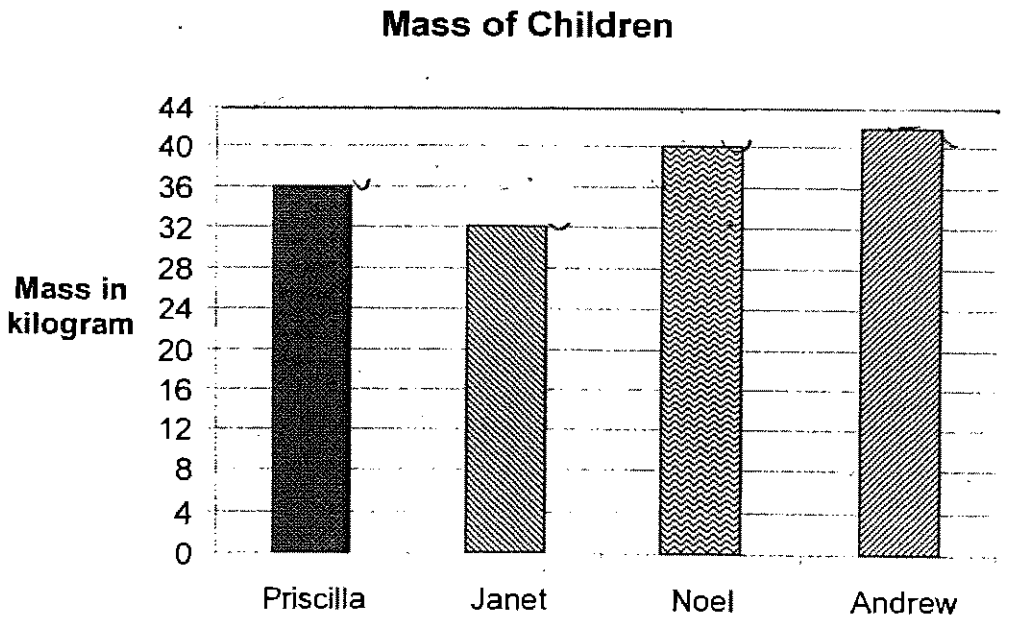
28. The ratio of the length to the breadth to the height of a cuboid is 4 : 2 : 1.
Its length is 12 cm longer than its height.
Find its breadth.

Ans: _____ cm

29. How many 2 cm cubes can be cut out from a wooden block measuring
12 cm by 10 cm by 7 cm?

Ans: _____

30. The graph ~~above~~ below shows the mass of four children.



Who weighs 20% less than Noel?

438

Ans: _____

31. The diagram below shows parts of a parallelogram.
DA and AB are sides of the parallelogram.

(a) Measure ∠DAB.

(b) Complete the diagram by drawing the other two sides of the parallelogram.
[1m]

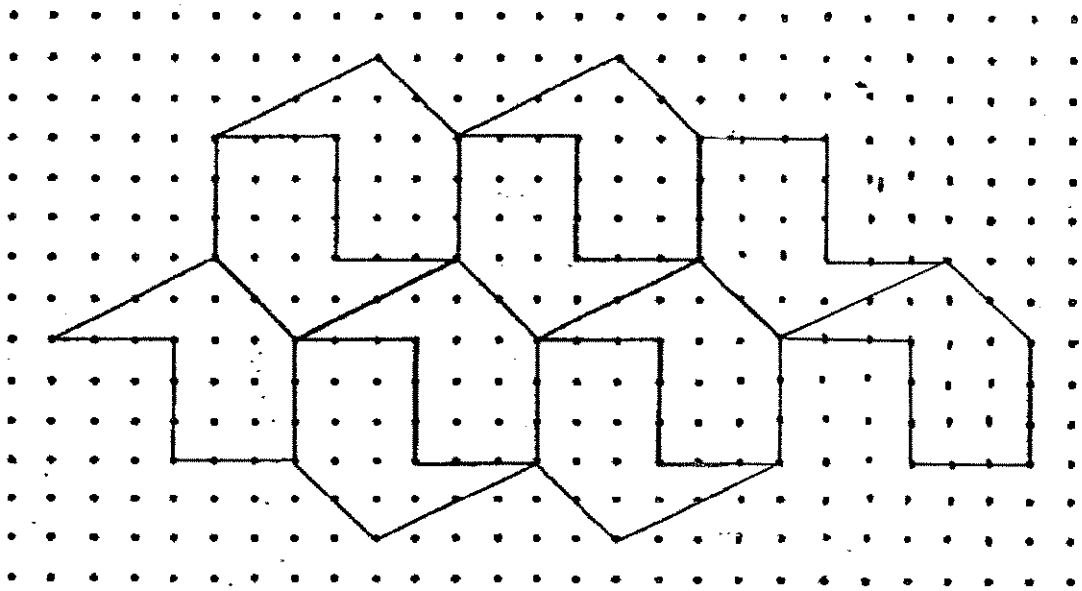
Ans: (a) _____ °

32. The table shows the results of Yong Jun's jumps in the high jump event.
Find the average height he has cleared.

Jump	Height cleared
1st jump	87 cm
2nd jump	92 cm
3rd jump	85 cm

Ans: _____ cm 439

33. Extend the tessellation by drawing **2** more unit shapes in the space provided. **Shade** the **2** unit shapes that you have drawn.



34. During the silent reading, Jane read a story book from page 170 to 208. How many pages of story book did she read?

Ans: _____

35. Find the value of (99 – 9) – 9 x 9 + 99 ÷ 9.

Ans: _____

440

END OF SECTION B

Name: _____ Class: P5 _____ Index No.: _____

SECTION C (50 marks)

For question 36 to 48, show your working clearly in the space provided below each question and write your answer with suitable units in the spaces provided. All diagrams are not drawn to scale. Answers in fractions or ratio must be expressed in the simplest form. Marks will be awarded for relevant working. The number of marks available is shown in brackets [ ] at the end of each question or part-question.

---

36. At an electronic shop, a digital camera was sold for $800 and a LCD projector for $1700.

Mr Tan bought the two items during a sale and was given a 20% discount.

How much did Mr Tan pay in total for the two items?

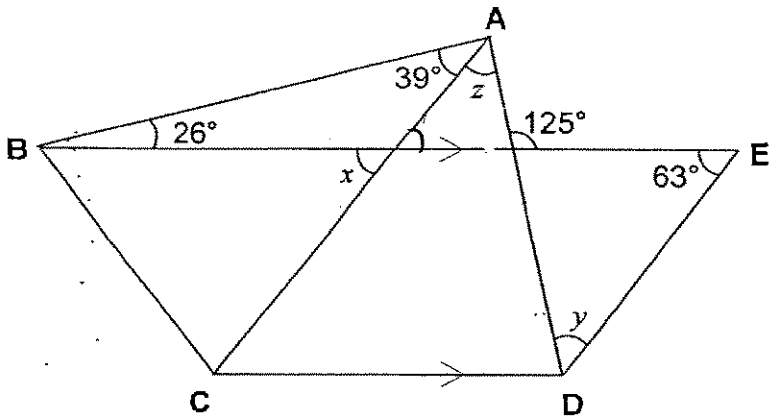
Ans: _____ [3]

37. In the figure below, BCDE is a trapezium.
AC and AD are straight lines. Find

(a) $\angle x$.

(b) $\angle y$.

(c) $\angle z$.



Ans: (a)_____[1]

(b)_____[1]

(c)_____[1]

38. A rectangular container measuring 60 cm long, 20 cm wide and 30 cm high is filled with water to a height of 12 cm.

(a) Find the volume of water in the container.

(b) How much **more** water is needed to fill the container completely?

Ans: (a) _____ [2]

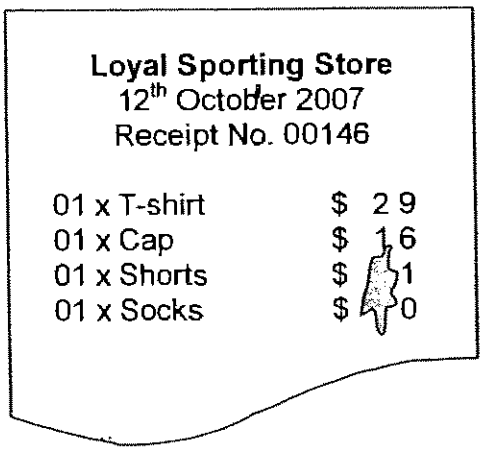
(b) _____ [2]

39. Nicole paid $315 for an equal number of cheese cakes and sponge cakes. Each cheese cake cost $1.80 and each sponge cake cost $0.60 less than a cheese cake.
How many pieces of sponge cakes did she buy?

Ans: _____ [3]

444

40. Lisa had ice cream with her friends after shopping for some sports apparel. She spilt some ice cream on her receipt as shown below.
She spent an average of $19 on the four items.
Given that the shorts cost more than the socks, what could the price of the shorts be?



Loyal Sporting Store
12th October 2007
Receipt No. 00146

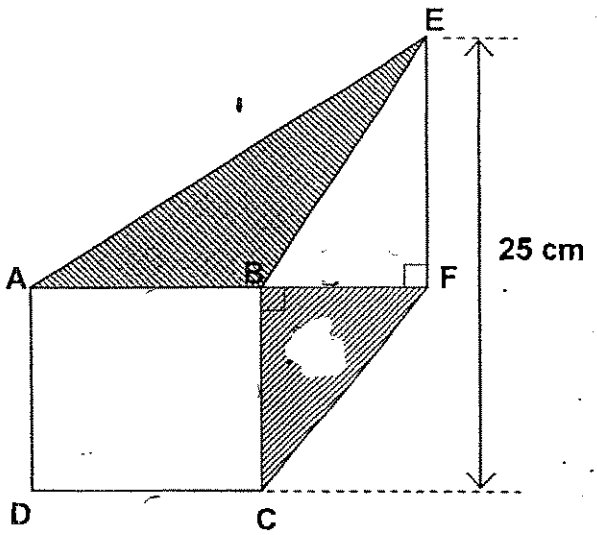
01 x T-shirt	$ 29
01 x Cap	$ 16
01 x Shorts	$ [illegible]1
01 x Socks	$ [illegible]0

Ans:_____[3]

41. Tap A can fill a tank in 4 minutes.
Tap B can fill the same tank in 6 minutes.
When Tap A and Tap B are turn on at the same time, how many minutes will they take to fill up the same tank?

Ans:_____[3]

42. In the figure below, ABCD is a square with an area of 100 cm².
ABE and CBF are triangles.
Given that BF = 8 cm, find the area of the shaded region.



Ans: _____ [4]

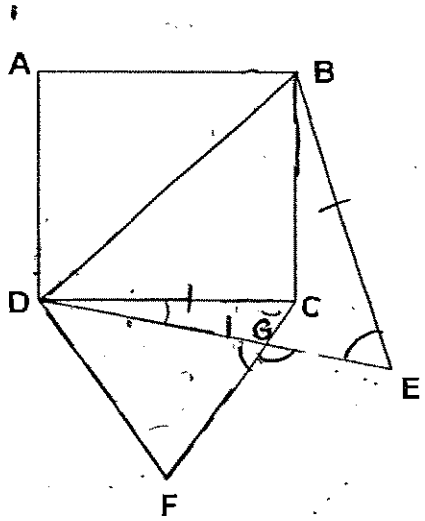
43. Deena ~~Denna~~ and Valerie were given some allowance at first.

Later, Deena's allowance was reduced by $\frac{1}{4}$ to \$270 while Valerie's allowance was increased by $\frac{1}{5}$ to \$300.

What was the difference between the two girls' allowances at first?

Ans: _____ [4]

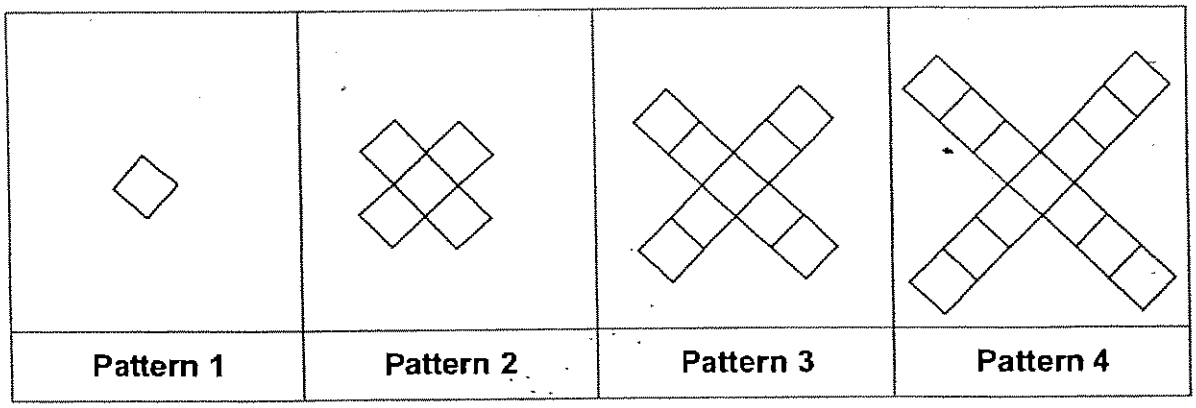
44. In the figure below, ABCD is a square.
BDE and CDF are equilateral triangles.
Find
(a) ∠CDG
(b) ∠FGE



Ans: (a) _____ [1]

(b) _____ [3]

45. Jonathan uses identical square tiles to form the patterns below.



(a) How many square tiles will Jonathan need to use to form pattern 5?

(b) How many square tiles will Jonathan need to use to form pattern 10?

(c) Which pattern number will need 445 square tiles to form?

Ans: (a) _____ [1]

(b) _____ [1]

(c) _____ [3]

449

46. There are some oranges in 3 boxes, A, B and C.
40% of the number of oranges in Box A is equal to 25% of the number of oranges in Box B.
The number of oranges in Box C is 50% of the number of oranges in Box B.

(a) Express the number of oranges in Box C as a **fraction** of the number of oranges in Box A.

(b) When 40% of the oranges in Box A are taken out and placed in Box C, there will be 36 oranges left in Box A.
How many oranges are there in Box B?

Ans: (a) _____ [1]

(b) _____ [3]

450

47. Company A and Company B hired the same number of workers.
The ratio of number of female workers to the number of male workers hired by Company A and Company B was 1 : 3 and 1 : 4 respectively.

a) Company B had hired 20 more male workers than Company A.
How many workers did Company A hire?

b) Half a year later, equal number of female workers left Company A and B.
The ratio of the number of female workers to the number of male workers hired by Company A and Company B became 2 : 3 and 2 : 5 respectively.
How many female workers left both companies?

Ans: a)_____ [2]

b)_____ [3]

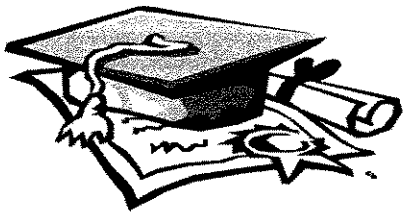
48. There were 257 pupils participating in a cross country race at first.
When the number of boys increased by 12 and the number of girls decreased by 5%, the number of pupils participating in the cross country race became 265.
How many boys joined the cross country at first?

Ans: _____ [5]

-End of Paper-
Please check your work carefully ☺

Setters: Adeline Khalik, Aubrey Ong, Ho Kai Huat and Wirda Sukor.

452



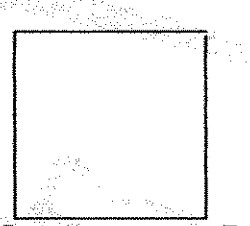
ANSWER SHEET

RAFFLES GIRLS' PRIMARY SCHOOL - PRIMARY 5 MATHEMATICS 2007
SEMESTRAL ASSESSMENT (2)

1. 1
2. 4
3. 1
4. 4
5. 4
6. 3
7. 3
8. 3
9. 3
10. 2
11. 3
12. 1
13. 4
14. 4
15. 4
16. 4.085
17. 22
18. 12
19. 3/10
20. $16000
21. 105°
22. 9 minutes
23. 1.48m
24. 8 pages
25. 20%
26. 3:7
27. 5.75L
28. 8cm
29. 90
30. Janet

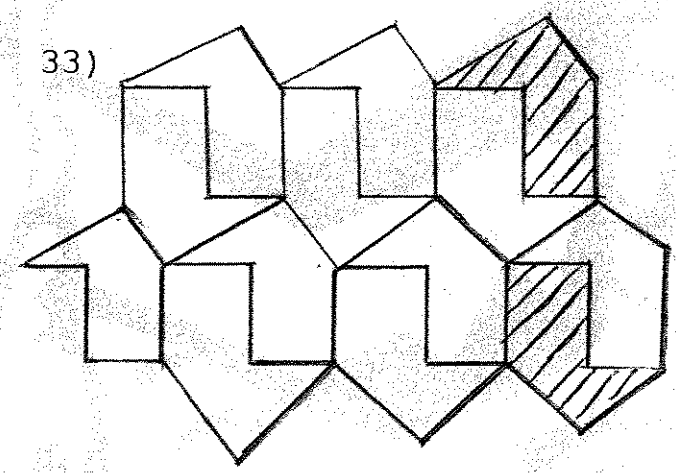
31) a) 75°

b) D



32) 88cm

33)



34) 39 pages

35) 20

36) 800+1700=2500
2500→100%
10%-->250
80%-->$2000

37) a) 39° +26° =65°
b) 125° -63° =62°
c) 125° -65° =60°

38) a) 60x20x12=1200x12
=14400cm3
b) 60x20x18=1200x18
=21600cm3

39) 1 sponge cake:
1.80-0.60=1.20
1 sponge + 1 cheese=
$1.20+$1.80=$3
$315÷3=105
105 set=105 sponge cake
105 cheese cake

40) $19x4=$76
29+16=45
45+1=46
76-46=30
20+1=$21

41) Tap A 1 min→ ¼
Tap B 1 min→ 1/6
¼+1/6=6/24+4/24=10/24
1÷10/24=1x24/10=24/10=2 4/10
Ans:2.4 minutes.

42) 25-10=15
½ x10x8=40
½ x10x15=75
75+40=115cm2

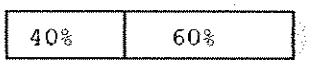
43)

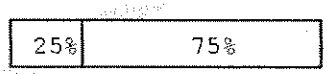
Deena	Valerie
270→3u	6u→300
1u→90	1u→50
4u→90x4	5u→250
=360	

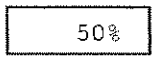
360-250=$110

44) a) 90° ÷2=45°
60° -45° =15°
b) 180° -15° =165°
165° -60° =105°

45) a) Pattern1=1x4-3=1
Pattern2=2x4-3=5
Pattern3=3x4-3=9
Pattern5=5x4-3=17
Ans:17 square tiles
b) Pattern10=10x4-3=37
Ans:37square tiles
c) 445+3=448
448÷4=Pattern 112

46) a) Box A 

Box B 

Box C 

Box C→8 pts
Box A→10 pts
Fraction→8/10=4/5

b) Box A
60%-->36
10%-->6
40%-->24

Box B
24→25%
100%-->96 oranges.

47) a) 1u→20
20u→400 workers

b) 2u→10
1u→10
12u→120
18u→180
180-120=60 female workers.

48) 265-12=253
257-253=4
4→5%
100%-->80
257-80=177 boys.

NANYANG PRIMARY SCHOOL

SECOND SEMESTRAL EXAMINATION 2007

PRIMARY 5

MATHEMATICS

DURATION: 2 HOURS 15 MINUTES

Booklet A	**/ 20**
Booklet B	**/ 30**
	/ 50

Total: / 100

Name: _____ ( )

Class: Primary 5 ( )

Date: 31 October 2007

Parent's Signature: _____

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.

FOLLOW ALL INSTRUCTIONS CAREFULLY.

ANSWER ALL QUESTIONS.

Booklet A

Questions **1** to **10** carry 1 mark each. Questions **11** to **15** carry 2 marks each. For each question, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4). Shade the oval (1, 2, 3 or 4) on the Optical Answer Sheet.

(20 marks)

---

1 Find the value of $11 + 8 \times 4 - 16 \div 8$.

(1) 27

(2) 38

(3) 41

(4) 74

2 There was $\frac{3}{4}\ l$ of milk in the bottle at first. Mrs Keong used $\frac{1}{3}$ of it to bake a cake. How much milk was left?

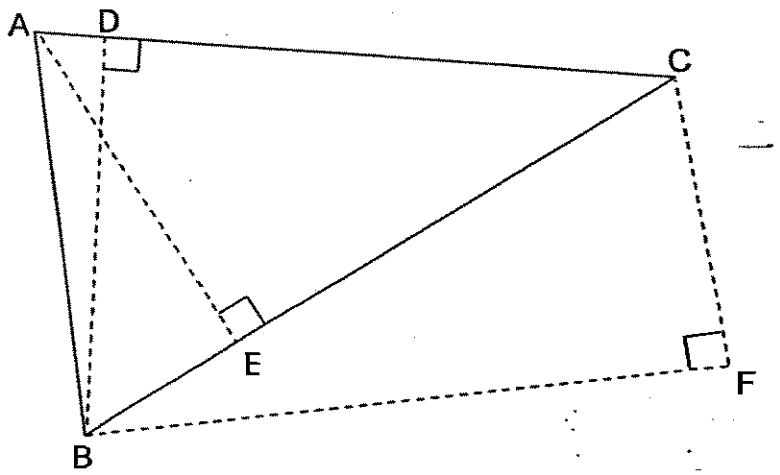
(1) $\frac{1}{4}\ l$

(2) $\frac{5}{12}\ l$

(3) $\frac{1}{2}\ l$

(4) $\frac{2}{3}\ l$

3 What is the height of triangle ABC if the base is AC?



(1) AB

(2) BD

(3) AE

(4) CF

4 There are 15 red, 24 blue and 36 yellow buttons in a box. What is the ratio of the number of red buttons to the total number of blue and yellow buttons in the box?

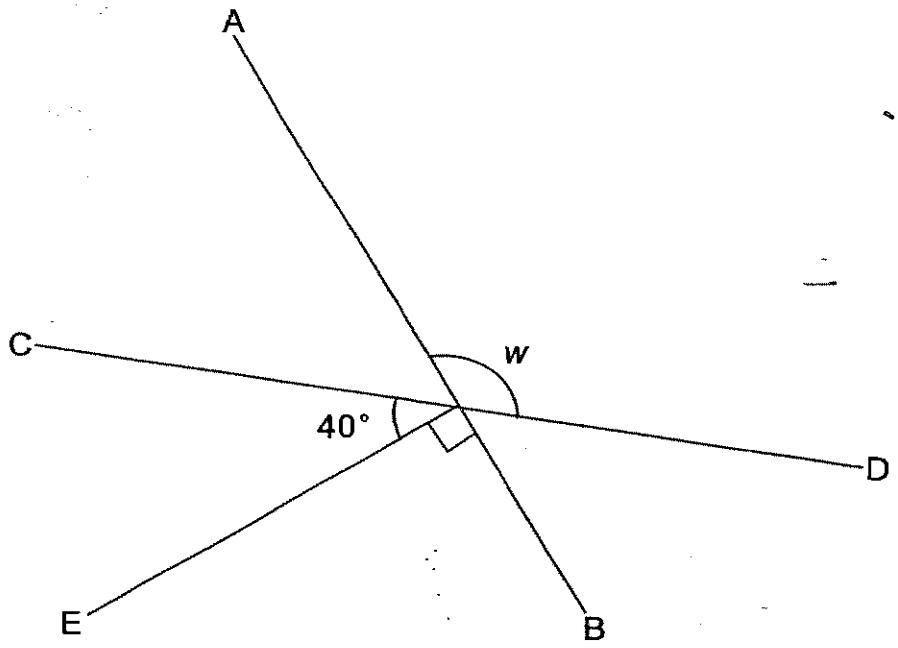
(1) 1 : 4

(2) 1 : 5

(3) 5 : 13

(4) 5 : 17

5 AB and CD are straight lines. Find $\angle w$.



(1) 40°

(2) 50°

(3) 130°

(4) 140°

6 What is the value of 0.4×1000 ?

(1) 0.0004

(2) 40

(3) 400

(4) 4000

7 Peter spent half an hour shopping before he watched a movie for 2 hours and 20 minutes. How much time did he spend in all?

(1) $1\frac{5}{6}$ h

(2) $1\frac{7}{10}$ h

(3) $2\frac{7}{10}$ h

(4) $2\frac{5}{6}$ h

8 In a class of 40 pupils, there are 15 girls. What percentage of the class are boys?

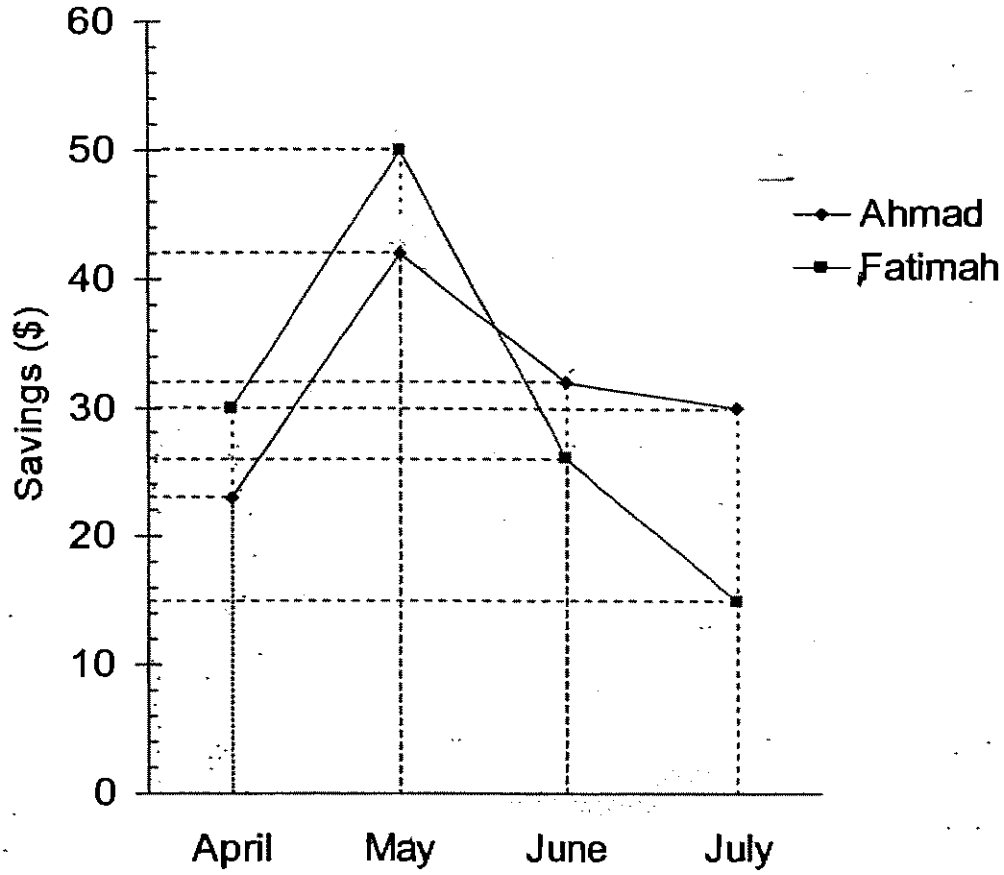
(1) 25%

(2) 37.5%

(3) 60%

(4) 62.5%

9 The graph below shows the savings of Ahmad and Fatimah from April to July.



What is the difference in the decrease in their savings from May to June?

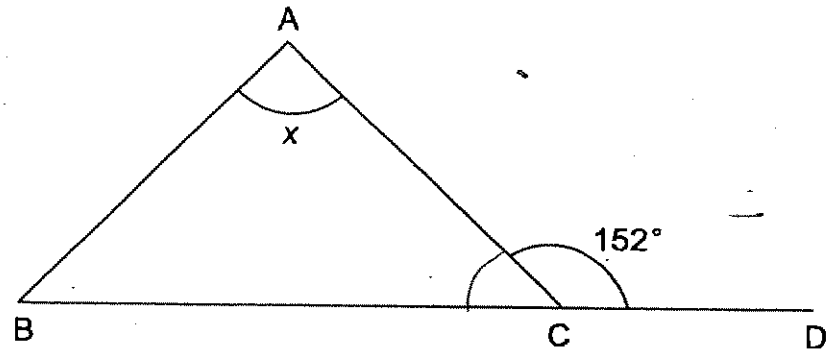
(1) $10

(2) $14

(3) $24

(4) $34

10 In the figure below, ABC is an isosceles triangle. BCD is a straight line. Find $\angle x$.



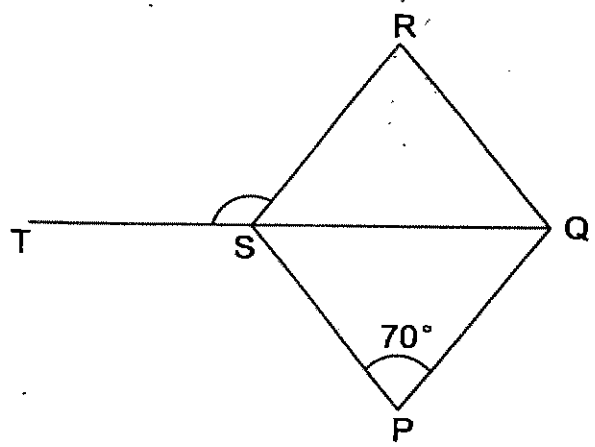
(1) 56°

(2) 76°

(3) 104°

(4) 124°

11 In the figure, PQRS is a rhombus. TSQ is a straight line. Find $\angle RST$.



(1) 55°

(2) 70°

(3) 110°

(4) 125°

12 The average mass of 8 men is 73.9 kg. If the mass of another two men is 84.5 kg and 58.2 kg, what is the average mass of all the men?

(1) 71.35 kg

(2) 72.2 kg

(3) 73.39 kg

(4) 79.2 kg

13 The table below shows the rental charges for canoes.

Rental Charges	
First hour	\$ 14
Every additional $\frac{1}{2}$ h or part thereof	\$ 6.50

Royston rented a canoe from 10.15 a.m. to 1 p.m. How much did he pay?

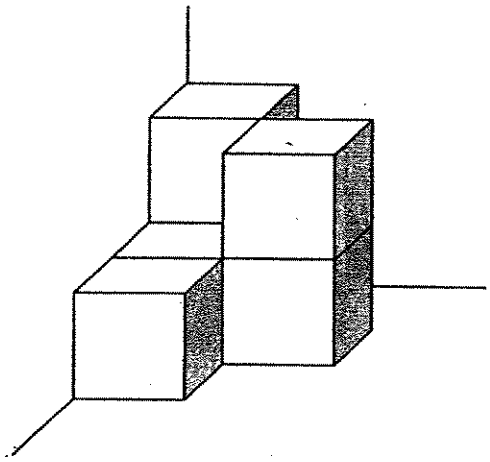
(1) \$ 27.00

(2) \$ 36.75

(3) \$ 40.00

(4) \$ 41.00

14. The solid below is made up of 4-cm cubes. What is the volume of this solid?



(1) 72 cm^3

(2) 96 cm^3

(3) 320 cm^3

(4) 384 cm^3

15 Find the total of the number pattern below.

$$81 - 80 + (79 - 78) + (77 - 76) + \ldots\ldots - 2 + 1.$$

What will be the digit in the tens place?

(1) 1

(2) 8

(3) 3

(4) 4

Name: _____( ) Class: Pr 5 ( )

P5 SA2 2007

Booklet B

Questions **16** to **25** carry 1 mark each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

(10 marks)

---

16. 7 214 hundreds, 16 tens and 40 ones = _____ hundreds

Ans: _____

---

17 Fill in the box with the correct mathematical symbol (+, −, × or ÷) to make the statement below true.

25×3 ☐ $15 \div 5 + 7 = 85$

Ans: _____

---

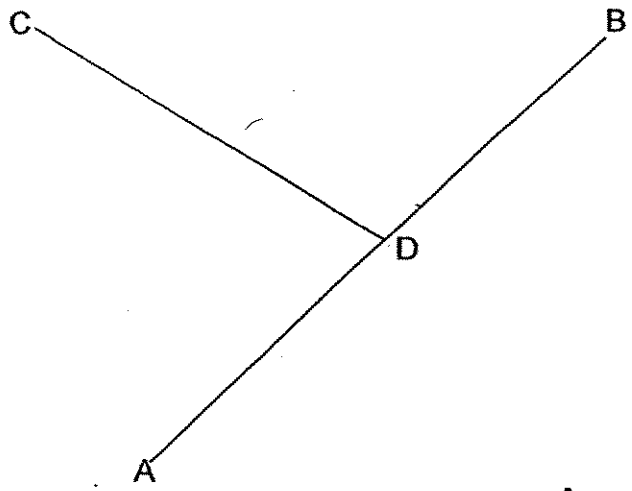
18 What is the missing number in the box?

$40 : 16 = 25 :$ ☐

Ans: _____

---

19 Measure and write down the size of ∠CDB.



Ans: _____

20 Muthu's luggage is 790 g heavier than Devi's luggage. If Muthu's luggage has a mass of 12.6 kg, what is the total mass of both their luggage?

Ans: _____kg

21 A rectangular wall is 14.2 m by 8 m. If the cost of painting is \$3 per m^2, how much would it cost to paint the wall?

Ans: \$_____

22 0.3 of the library books are Chinese books and the rest are English books. If there are 600 Chinese books, how many English books are there in the library?

Ans: _____

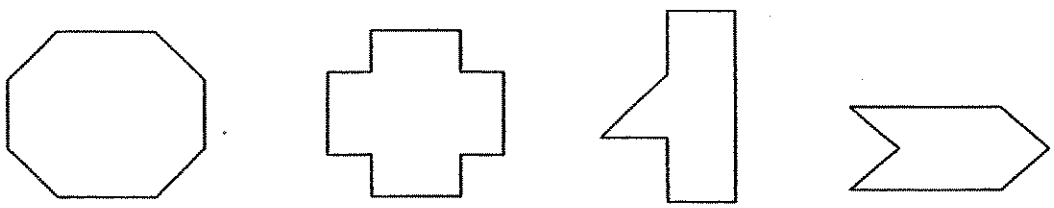
---

23 A bottle contains 300 *ml* of sparkling juice. Mrs Khoo needs 1.7 *l* of sparkling juice. How many bottles of sparkling juice does she need to buy?

Ans: _____

---

24. Which of the following shape (s) cannot be tessellated?

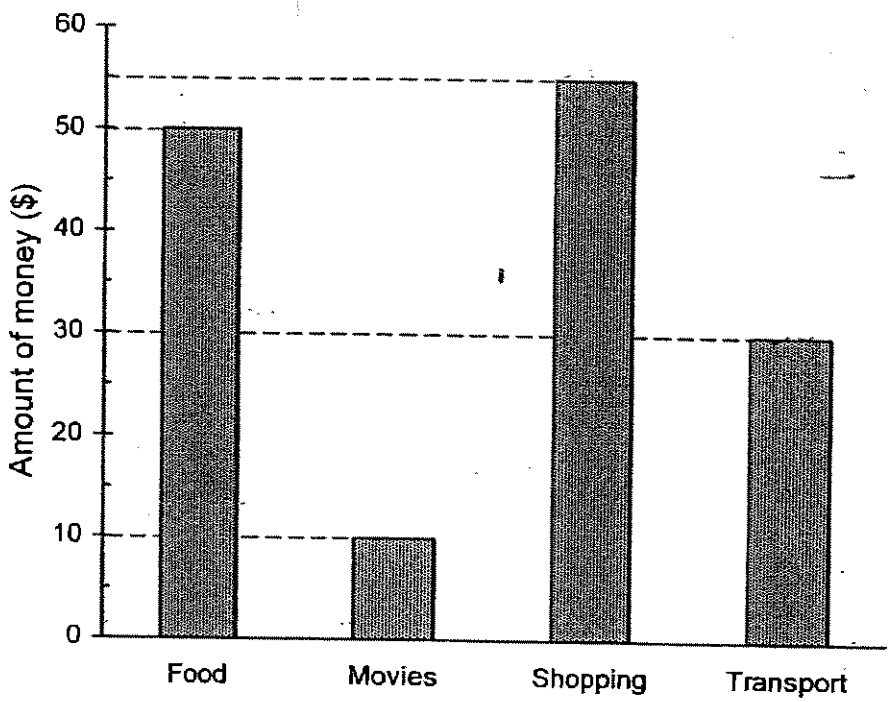


A B C D

Ans: _____

---

25 The graph below shows the amount of money Grace spent during the one-week September holiday.



If Grace spent 58% of her weekly pocket money and saved the rest of the money, how much pocket money did she save?

Ans: $_____

Questions **26** to **35** carry 2 marks each. Show your working clearly in the space below each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

(20 marks)

---

26 Andrew had \$268 and Brett had \$172 at first. Each of them bought a pair of skates at the same price. After their purchase, Andrew had five times as much money left as Brett. How much did each pair of skates cost?

Ans: \$_____

---

27 Twice of a number is greater than $\frac{3}{4}$ of the same number by 10. What is the number?

Ans: _____

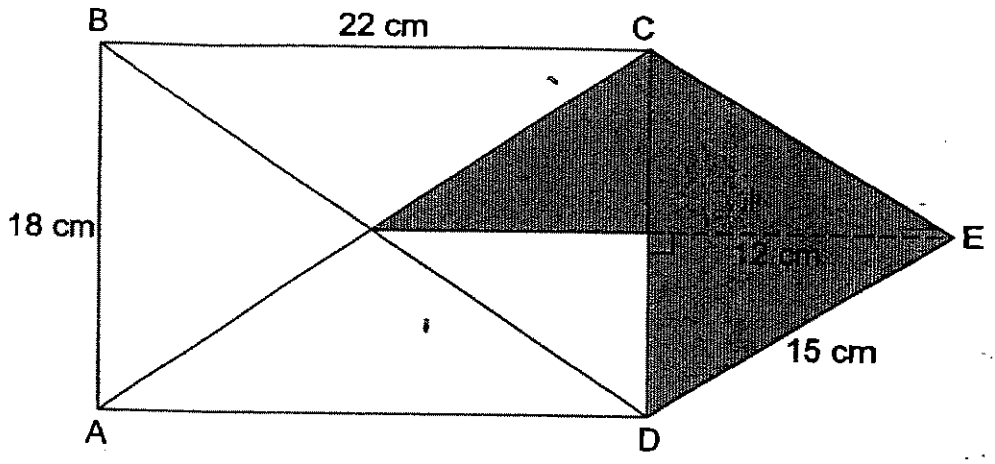
---

28 Aisha has enough money to buy either 6 peaches or 12 apples. If she buys 8 apples, how many peaches can she buy with the remaining money?

Ans: _____

---

29 The figure shows a rectangle ABCD and a triangle CDE. Find the area of the shaded part.



Ans: _____ cm²

---

30 Miss Tan had 10% fewer beads than Miss Yeo. After Miss Yeo gave 50% of her beads to Miss Tan, Miss Tan had 7000 beads. How many beads did Miss Yeo give Miss Tan?

Ans: _____

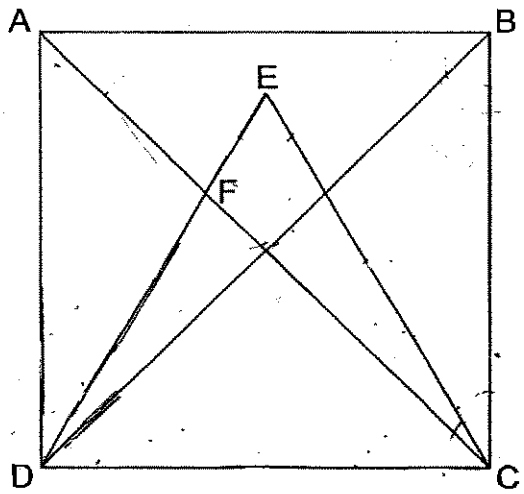
---

31 Every minute, Machine A prints 240 pages and Machine B prints 300 pages. What is the total number of pages that Machine A and Machine B can print in an hour?

Ans: _____

---

32 In the figure below, ABCD is a square and CDE is an equilateral triangle. Find ∠AFD.



Ans: _____

---

33 What is the missing number in the number pattern below?

5

15 **14**

19 **76**

56 **?**

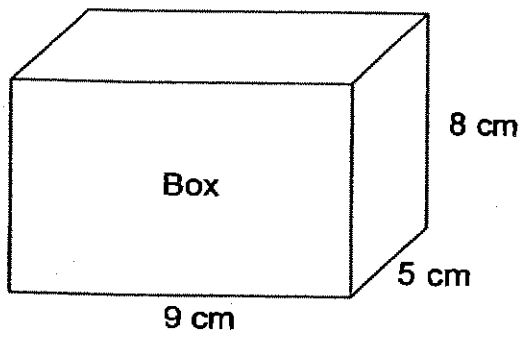
20

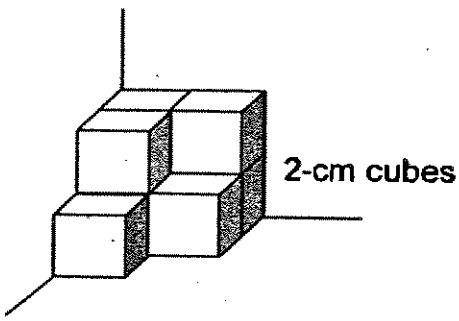
Ans: _____

---

34 Draw a parallelogram WXYZ in which $\angle WXY = 65°$ and WX = 6 cm. The line XY has been drawn for you. Label your diagram clearly.

35 If all the 2-cm cubes as shown on the right are put into the box below, how many more of such 2-cm cubes need to be packed into the box to fill it to the brim?





Ans: _____

Name: _____( ) Class: Pr 5 ( )

P5 SA2 2007

For questions **36** to **48**, show your working clearly in the space provided for each question and write your answers in the spaces provided.
The number of marks available is shown in brackets [ ] at the end of each question or part-question.

(50 marks)

---

36 Some lamp posts were placed in a straight row at equal distances apart. The distance between the 1st and 6th lamp post was 85 m. The distance between the 2nd and the last lamp post was 187 m. How many lamp posts were there altogether?

Ans: _____ [3]

---

37 Margaret, Pete and Alvem shared the cost of a handbag for their mother. $\frac{1}{3}$ of Margaret's share was equal to $\frac{1}{2}$ of Pete's share. $\frac{1}{2}$ of Pete's share was equal to $\frac{3}{4}$ of Alvem's. If Margaret paid $150 more than Alvern, how much did the handbag cost?

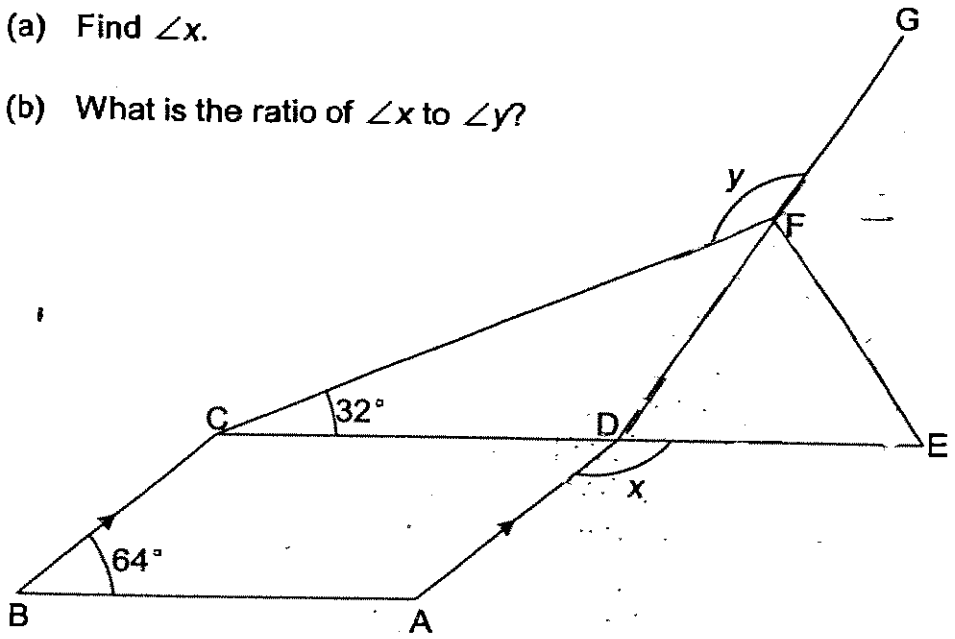
Ans: _____ [3]

---

38 In the figure below, ABCD is a parallelogram and DEF is an equilateral triangle. CDE and DFG are straight lines.

(a) Find $\angle x$.

(b) What is the ratio of $\angle x$ to $\angle y$?



Ans: (a) _____ [1]

(b) _____ [2]

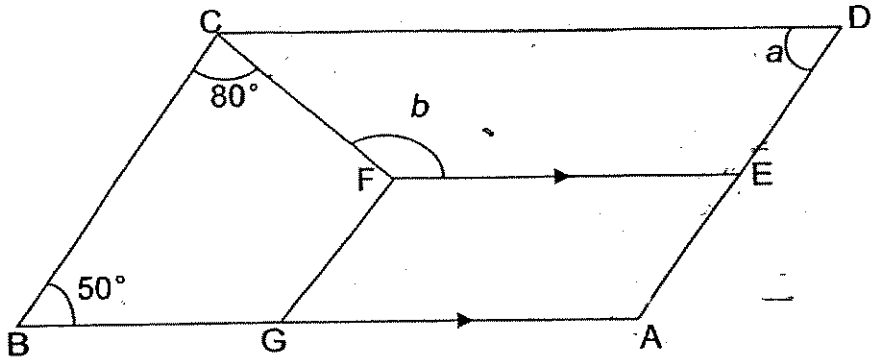
---

39 Helen jogged a distance of 1000 m on Monday. Everyday she increased the distance she jogged the previous day by 10%. What was the total distance she would have jogged on Thursday? Give your answer to the nearest kilometre.

Ans: _____ [3]

---

40. In the figure below, ABCD is a parallelogram and AB // EF.



(a) Find $\angle a$.

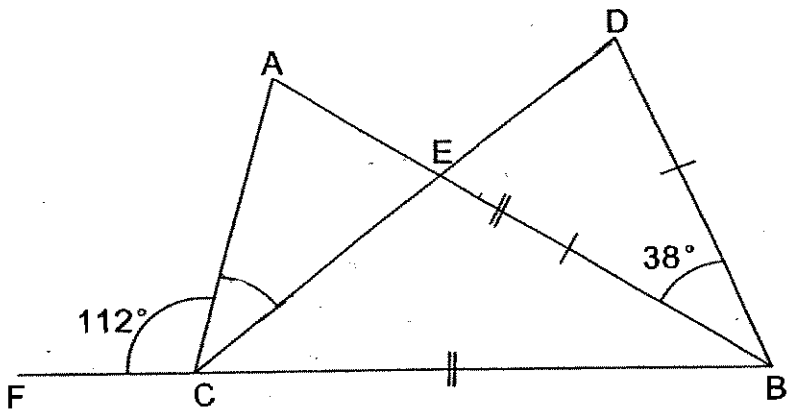
(b) Find $\angle b$.

Ans: (a)_____ [1]

(b)_____ [2]

---

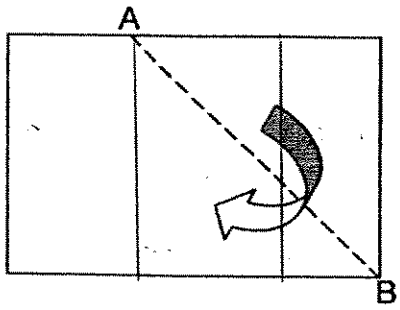
41 ABC and BDE are isosceles triangles. BCF is a straight line. Find $\angle ACE$.

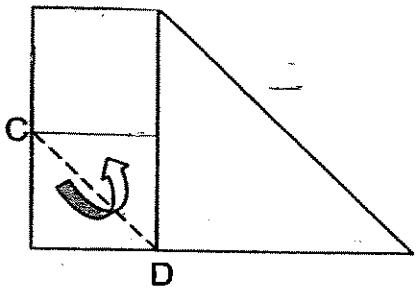


Ans: _____ [3]

---

42 A piece of rectangular paper measuring 15 cm by 10 cm is folded along the dotted line AB to form the figure on the right. It was then folded along the dotted line CD. Find the area of the remaining paper after it was folded along AB and CD.



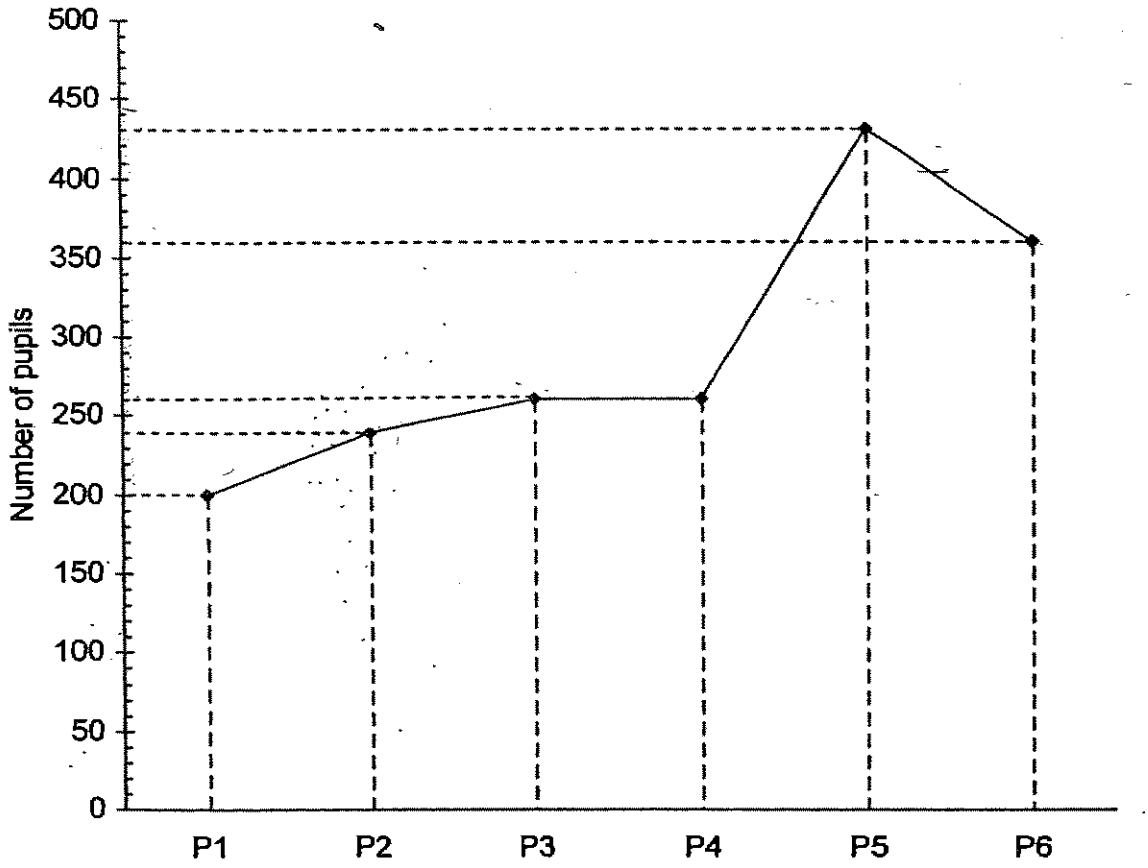


Ans: _____ **[4]**

43 Amy, Beatrice, Catherine and Dawn had an average of 56 dresses. Amy had 45 dresses. The total number of dresses that Beatrice and Catherine had was 13 more than the number of dresses that Dawn had. What was the average number of dresses that Amy, Beatrice and Catherine had?

Ans: _____ [4]

44 The graph below shows the number of Primary 1 to Primary 6 pupils who had completed their online assignments during the September holiday.



(a) How many pupils completed their assignments altogether?

(b) If only 40% of the total school population completed their online assignments, what percentage of the pupils who completed their online assignments were P1 to P3 pupils?

Ans: (a) _____ [1]

(b) _____ [3]

45 A tank measuring 60 cm by 40 cm by 30 cm was empty at first. Water from a tap started to fill the tank at a rate of 2 l per minute. After the water level had reached $\frac{5}{6}$ of the height of the tank, water began to leak from a crack at the base of the tank at a rate of 400 ml per minute. What was the total time taken for the whole tank to be completely filled? (Leave your answer in minutes).

Ans: _____ [5]

46 Ada, Becky and Cathy had some stamps. Cathy had 20% more stamps than Ada. Cathy had 75% as many stamps as Becky. Becky gave 45 stamps to Ada and Cathy in the ratio of 4 : 1 so that all three girls will have the same number of stamps.

(a) How many stamps did Becky have at first?

(b) What percentage of the stamps did Cathy have at first?

Ans: (a) _____ [3]

(b) _____ [2]

47 For every 5 roses in a florist shop, there were 3 tulips. For every 9 carnations in the florist shop, there were 4 tulips.

(a) Find the ratio of the number of carnations to the number of roses to the number of tulips in the shop.

(b) After 21 roses were sold, $\frac{1}{4}$ of the remaining flowers were roses. How many more carnations than tulips were there in the shop?

Ans: (a) _____ [1]

(b) _____ [4]

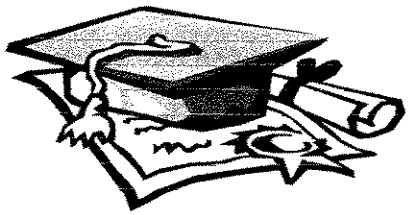
48 Three schools, School A, School B and School C participated in the Racial Harmony Games Day. There were 68 representatives from Schools B and C. If 32 representatives were not from School B and 44 representatives were not from School C, what was the total number of representatives from the three schools?

Ans: _____ [5]

END OF PAPER

Setters: Ms Elaine Ho
Mdm Denise Jung

483



ANSWER SHEET

NANYANG PRIMARY SCHOOL - PRIMARY 5 MATHEMATICS 2007
SEMESTRAL ASSESSMENT (2)

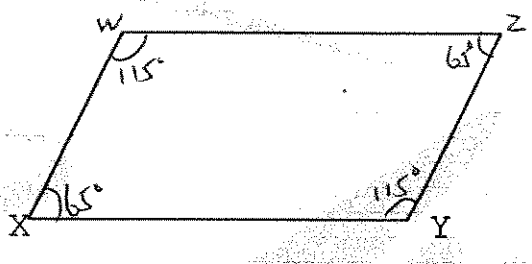
1. 3
2. 3
3. 2
4. 1
5. 3
6. 3
7. 4
8. 4
9. 2
10. 4
11. 4
12. 3
13. 3
14. 4
15. 2
16. 7216
17. +
18. 10
19. 105°
20. 24.41kg
21. $340.80
22. 1400
23. 6
24. A
25. $105
26. $148
27. 8
28. 2
29. 157 ½ cm2
30. 2500

31) 32400

32) 105°

33) 60

34)



35) 24

36) 85÷5=17
17x4=68
187-68=119
119÷17=7
6+7=13

37) 3x3=9
9-4=5
150÷5=30
30=1 unit
4+6+9=19
30x19=$570

38) a) 180° ÷3=60°
60° +32° =92°
180° -92° =88°
88° -60° =28°
28° +32° =60°
180° -60° =120°
60° +64° +120° =244°
360° -244° =116°

38)b)180° -28° =152
116:152
=58 :76
=29 :38

39)1000=1km
1000x10%=100
1000+100=1100
1000+1100=2100
2100+1200=3300
3300+1300=4600
4600≈5km

40)a)180° -50° =130°
180° -130° =50°
b) 50° x2=100°
360° -100° =260°
260° ÷2=130°
130° -80° =50°
180° -50° =130°

41)180° -38° =142°
142° ÷2=71°
180° -112° =68°
68° +71° =139°
180° -139° =41°

42)15x10=150
½ x10x10=50
150-50=100
½ x5x5=12.5
100-12.5=87.5cm2

43)X=Catherine
Y=Beatrice
X+Y==-13=Dawn

56x4=224
224-45=179

X+Y+X+Y-13=179
2X+2Y-13=179
2X+2Y=192
X+Y=96
Catherine + Beatrice=96
96+45=141
141÷3=47

44)a)200+240+260+260+430
+360=1750
b)200+240+260=700
700/1750x100=40%

45)37.5 min

46)a)216
b)$31\frac{11}{19}$

47)a)27:20:12
b)45

48)72

NAN HUA PRIMARY SCHOOL

SEMESTRAL ASSESSMENT 2 - 2007

PRIMARY 5

MATHEMATICS

(BOOKLET A)

15 Multiple Choice Questions (20 marks)

Total Time for booklets A and B: 2 hours 15 minutes

INSTRUCTIONS TO CANDIDATES

1. Write your Index Number in the bracket given next to your name.
2. Do not turn over the page until you are told to do so.
3. Follow all instructions carefully.
4. Answer all questions.
5. Shade your answers in the Optical Answer Sheet (OAS) provided.

Marks Obtained

Booklet A		**/ 20**
Booklet B		**/ 80**
Total		**/ 100**

Name : _____ ( )

Class : P 5_____

487

Date : 25 October 2007 **Parent's Signature :** _____

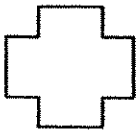
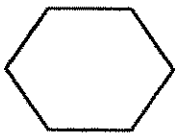
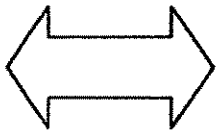
Questions **1** to **10** carry 1 mark each. Questions **11** to **15** carry 2 marks each.
For each question, 4 options are given. Only one of them is correct.
Make your choice (1, 2, 3 or 4). Shade the correct oval in the Optical Answer Sheet (OAS) provided. (20 marks)

---

1. 70 thousands + 7 thousands + 7 ones = _____.
What is the missing value in the blank?

(1) 70 707
(2) 77 007
(3) 707 007
(4) 707 707 ( )

2. Which of the following shapes **cannot** tessellate?

(1) 
(3)
(2) 
(4) 

( )

3. Write $10 + \frac{1}{10} + \frac{5}{1000}$ as a decimal.

(1) 10.015
(2) 10.105
(3) 10.150
(4) 10.510 ( )

4. $\frac{9}{50}$ expressed as a percentage is _____.

(1) 0.18%
(2) 1.80%
(3) 18.0%
(4) 180% ( )

5. Which one of the numbers below is 13 000 when rounded off to the nearest thousand?

(1) 13 768
(2) 13 678
(3) 13 548
(4) 13 458 ( )

6. $\frac{9}{10}\ell$ of Ribena drink was shared equally among 3 friends. How many litres of Ribena did each friend get?

(1) $2\frac{7}{10}\ell$
(2) $\frac{9}{10}\ell$
(3) $\frac{3}{10}\ell$
(4) $\frac{27}{100}\ell$ ( )

7. At the Underwater World, 35% of the visitors are children while the rest are adults. Express the ratio of the number of children to the number of adults in the simplest form.

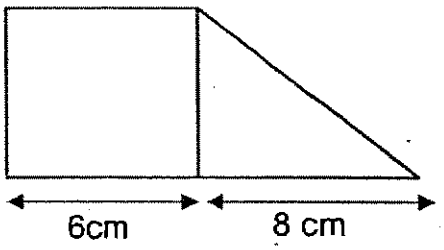
(1) 7 : 13
(2) 7 : 20
(3) 13 : 7
(4) 20 : 7 ( )

8. Find (84.6 - 1.35) ÷ 100.

(1) 0.8325
(2) 0.8335
(3) 8 325
(4) 8 335 ( )

489

9. The figure below is made up of a triangle and a square. Find the area of the figure. (Figure is not drawn to scale.)



(1) 14 cm^2

(2) 48 cm^2

(3) 60 cm^2

(4) 84 cm^2 ( )

10. A baker used 1kg 200g of sugar and had 800g left. What fraction of sugar had he left?

(1) $\frac{2}{3}$

(2) $\frac{3}{5}$

(3) $\frac{2}{5}$

(4) $\frac{1}{3}$ ( )

11. Study the following number pattern.

3 , 7 , 15 , ☐ , 63 , 127

(1) 23

(2) 27

(3) 30

(4) 31 ( )

490

12. Janice spent $\frac{2}{10}$ of her savings on books and donated \$15 from her savings. She had $\frac{1}{2}$ of her savings left. How much was her savings at first?

(1) \$5
(2) \$25
(3) \$50
(4) \$65 ( )

13. If 4 is added to $\frac{1}{5}$ of a number, the result is 19. What is the number?

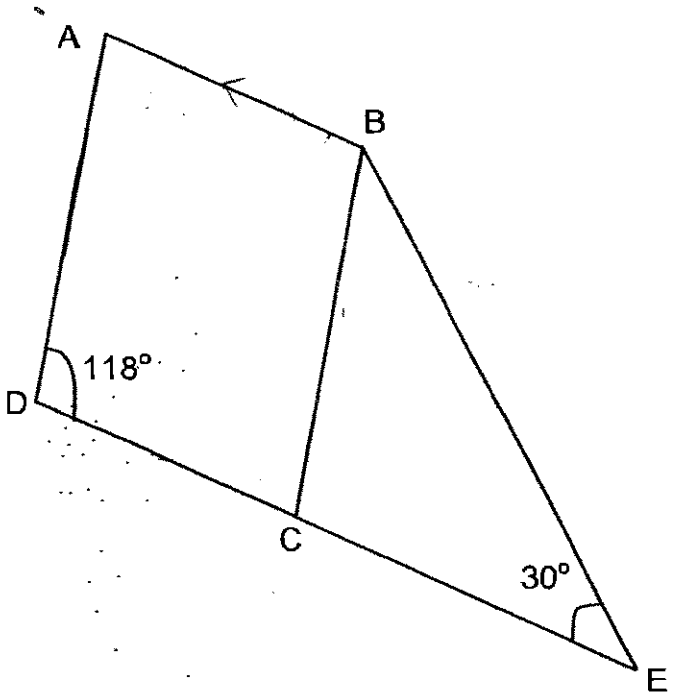
(1) 15
(2) 75
(3) 95
(4) 99 ( )

14. The average mass of John and Sam is 48 kg. The ratio of John's mass to Sam's mass is 5 : 3. Find John's mass.

(1) 18 kg
(2) 30 kg
(3) 36 kg
(4) 60 kg ( )

491

15. In the figure below, not drawn to scale, ABCD is a parallelogram and DCE is a straight line. Calculate ∠ ABE.



(1) 32°

(2) 86°

(3) 148°

(4) 150° ( )

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NAN HUA PRIMARY SCHOOL

SEMESTRAL ASSESSMENT 2 - 2007

PRIMARY 5

MATHEMATICS

(BOOKLET B)

20 Short-answer questions (30 marks)

13 Long-answer questions (50 marks)

Total Time for booklets A and B: 2 hours 15 minutes

INSTRUCTIONS TO CANDIDATES

1. Write your Index No. in the bracket given next to your name.
2. Do not turn over this page until you are told to do so.
3. Follow all instructions carefully.
4. Answer all questions.
5. Write your answers in this booklet.

Marks Obtained

Section B		**/ 30**
Section C		**/ 50**
Total		**/ 80**

Name : _____ ( )

Class : P 5 ____

493

Date : 25 October 2007 **Parent's Signature :** _____

Section B (30 marks)

Questions **16** to **25** carry 1 mark each. Write your answers in the spaces provided. Give your answers in the units stated. (10 marks)

16. Arrange the cards below to form the greatest 5-digit number that is smaller than 75 000

3	6	7	4	9

Ans: _____

17. $\frac{5}{12} + \frac{5}{12} + \frac{5}{12} + \frac{5}{12} = \frac{5}{12} + \frac{5}{12} \times \square$.

Find the missing number in the box.

Ans: _____

18. Find the value of $150 - 4 \times 5 \div 10 + 4 =$ _____.

Ans: _____

19. The average of 7 numbers is 14.86. Find the sum of the numbers.

Ans: _____

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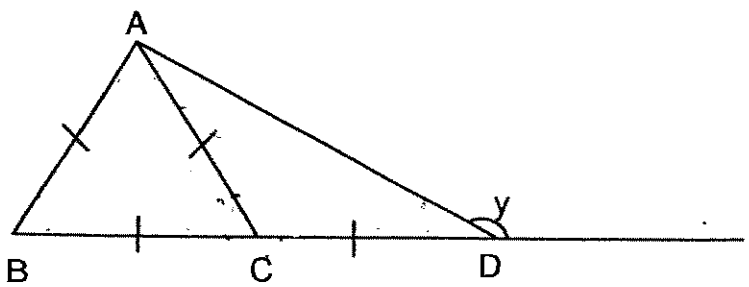
20. Jenna bought $3\frac{2}{5}$ kg of squid. Salha bought $1\frac{1}{4}$ kg more squid than Jenna. How many kilograms of squid did Salha buy ~~altogether~~? Express you answer as a mixed number.

Ans: _____ kg

21. Linda baked a cake. She ate $\frac{1}{4}$ of it and shared the rest among 9 of her friends. What fraction of the cake did each of her friends get?

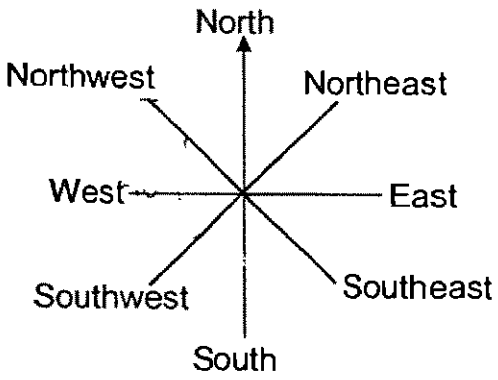
Ans: _____

22. ABC is an equilateral triangle.
ACD is an isosceles triangle.
Find $\angle y$.



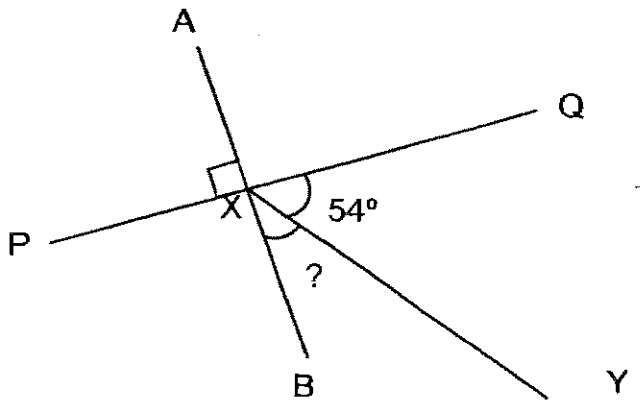
Ans: 495 °

23. Samuel is facing northwest after turning 135° clockwise. In which direction was she facing at first?



Ans: _____

24.



In the figure above, not drawn to scale, AB, PQ and XY are straight lines. ∠AXP is a right angle and ∠YXQ = 54°. Find the value of ∠BXY.

Ans: _____°

25. Felicia has 65 stickers. She has 30 more stickers than Mary.
Express the number of stickers Felicia has as a percentage of the total number of stickers.

Ans: _____

/ 3 marks

Questions **26** to **35** carry 2 marks each. Show your workings clearly in the space below each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (20 marks)

---

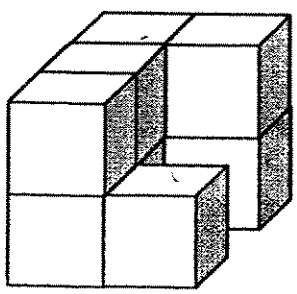
26. Felix
Felicia had \$75. He spent $\frac{1}{5}$ of the money on textbooks and $\frac{2}{3}$ of his money on a bag. How much money did he spend altogether?

Ans: \$_____

27. Patricia and Melissa share some lollipops in the ratio of 7 : 5. After Patricia has given Melissa 8 lollipops, they have the same number of lollipops. How many lollipops do they have altogether?

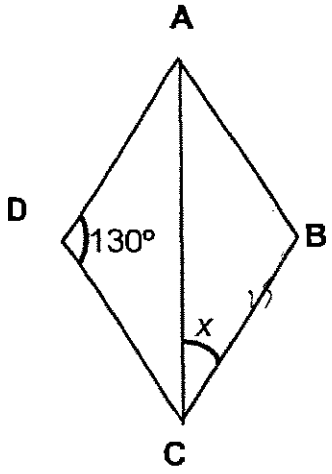
Ans: _____ lollipops

28. The total volume of the cubes shown below is 243 cm³.
What is the length of each side of the cube?



Ans: _____497_____ cm

29. ABCD is a rhombus not drawn to scale. Find $\angle x$.



Ans: _____ °

30. The perimeter of a rectangle is 56cm. The ratio of its length to its breadth is 5 : 2. Find its breadth.

Ans: _____ cm

31. Betty, Candy and Dora saved $94 in total. Betty and Candy together saved $59. Candy and Dora together saved $58. How much did Candy save?

Ans: $ _____

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32. Tariq was given one large pizza. He ate $\frac{1}{3}$ of it and gave $\frac{2}{5}$ of the remainder equally to his four friends. What fraction of the pizza did each friend receive?

Ans: _____

33. Fatimah paid $612 for a video camera and an iron. The video camera costs 5 times as much as an iron. Find the cost of the video camera.

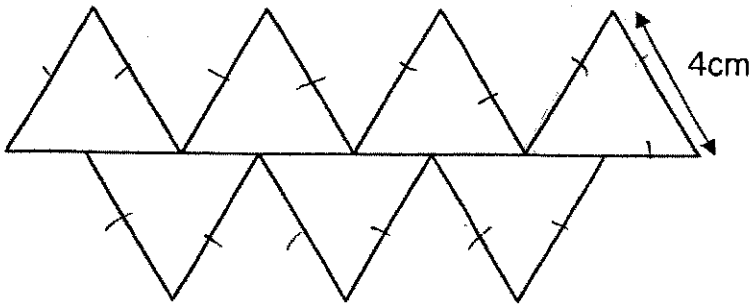
Ans: $_____

34. In a class of 30 boys and 20 girls, $\frac{1}{10}$ of the boys and $\frac{1}{4}$ of the girls like to watch cartoons. What fraction of the class love to watch cartoons? Give your answer in the simplest form.

499

Ans: _____

35. The figure is made up of seven similar equilateral triangles.
What is the perimeter of the figure?



Ans: _____cm

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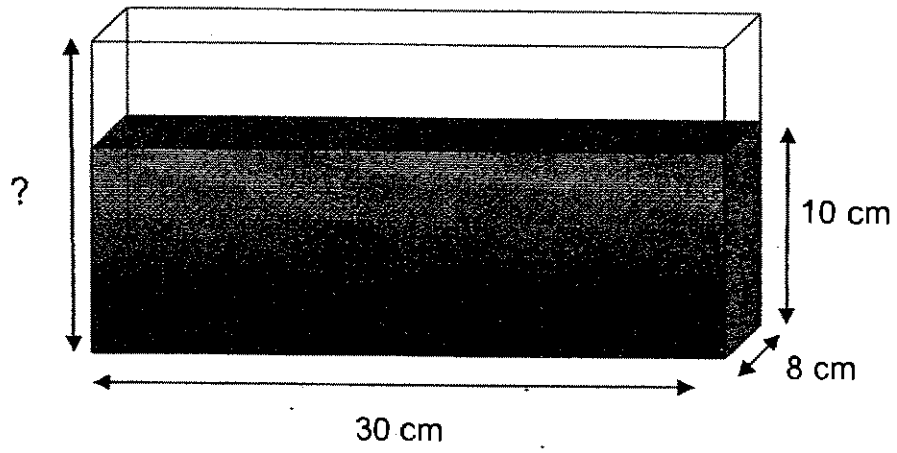
Section C (50 marks)

For questions 36 to 48, show your workings clearly in the space provided for each question and write your answers in the spaces provided. The number of marks available is shown in brackets [ ] at the end of each question or part-question.

---

36. The tank shown below is $\frac{5}{7}$ filled with water.



(a) What is the height of the tank?

(b) How much **more** water is needed to fill up the rest of the tank?

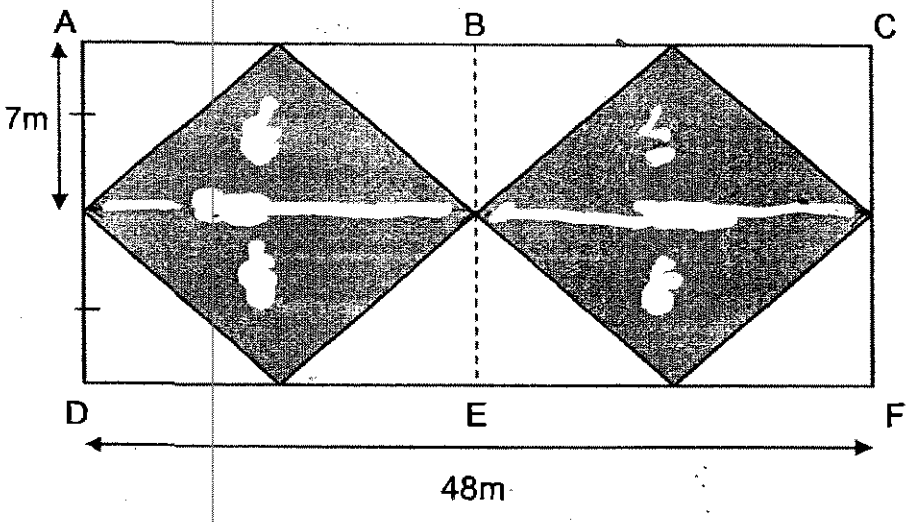
Ans : (a) _____ [2m]

(b) _____ [1m]

501

/ 3 marks

37. The figure ACFD shown below is divided into 2 equal parts. AB = BC. What is the area of the shaded parts given that they are identical to each other?



Ans : _____ [3m]

38. Hermione had 193 stamps. She gave 43 of them to Ron and gave 14% of the remainder to Fred. How many stamps had she left?

Ans : _____ [3m]

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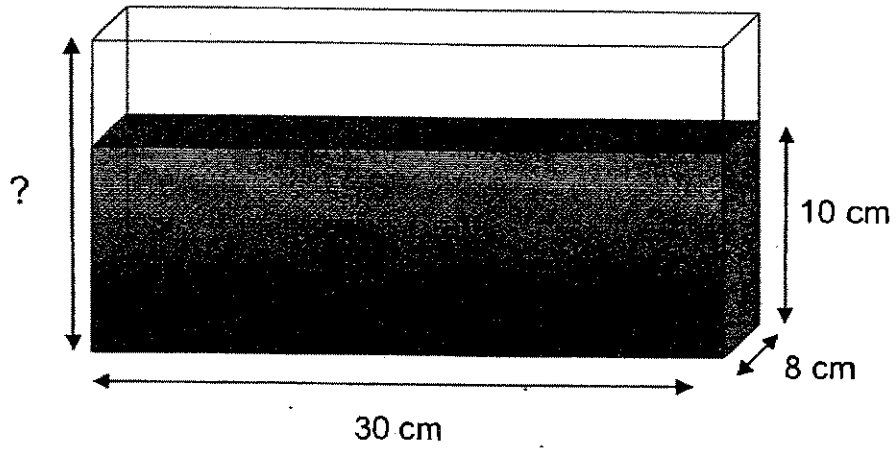


(a) What is the height of the tank?

(b) How much **more** water is needed to fill up the rest of the tank?

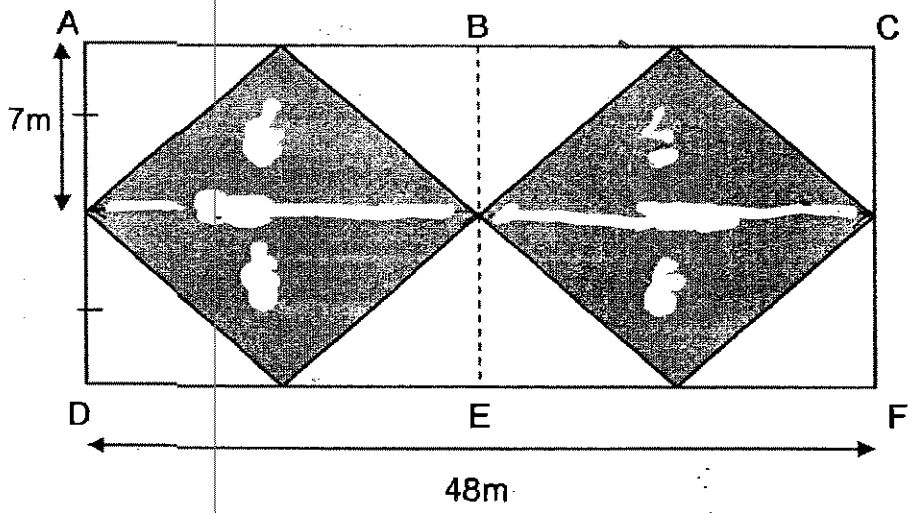
Ans : (a) _____ [2m]

(b) _____ [1m]

503

/ 3 marks

37. The figure ACFD shown below is divided into 2 equal parts. AB = BC. What is the area of the shaded parts given that they are identical to each other?



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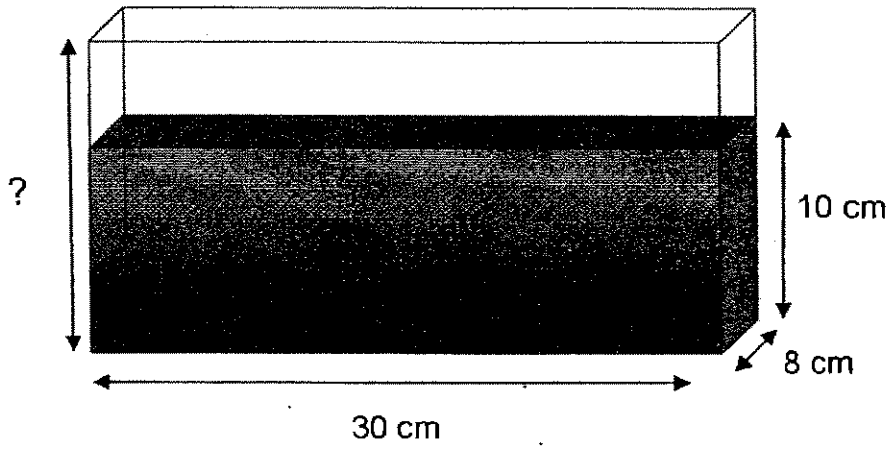

(a) What is the height of the tank?

(b) How much **more** water is needed to fill up the rest of the tank?

Ans : (a) _____ [2m]

(b) _____ [1m]

505

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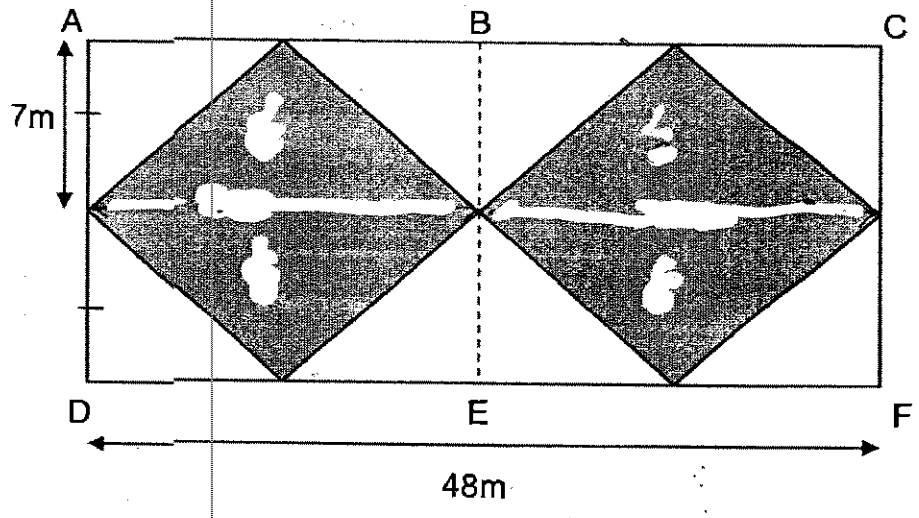

Ans : _____ [3m]

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Ans : _____ [3m]

506

Section C (50 marks)

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---

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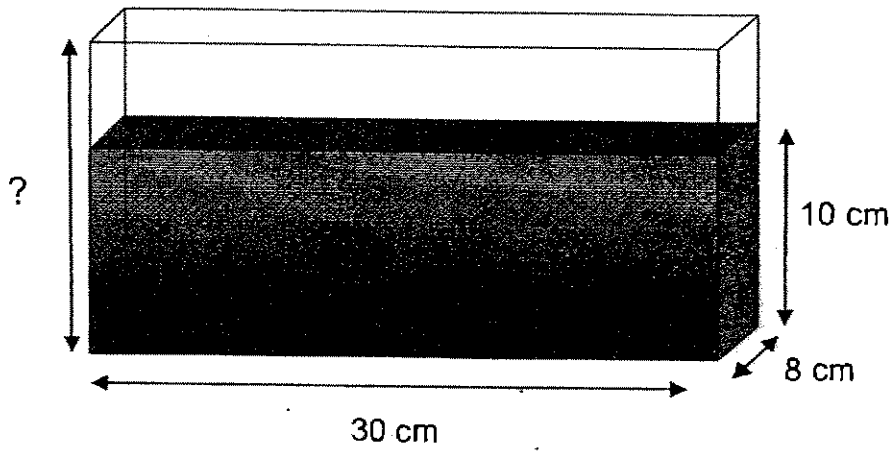

(a) What is the height of the tank?

(b) How much **more** water is needed to fill up the rest of the tank?

Ans : (a) _____ [2m]

(b) _____ [1m]

507

/ 3 marks

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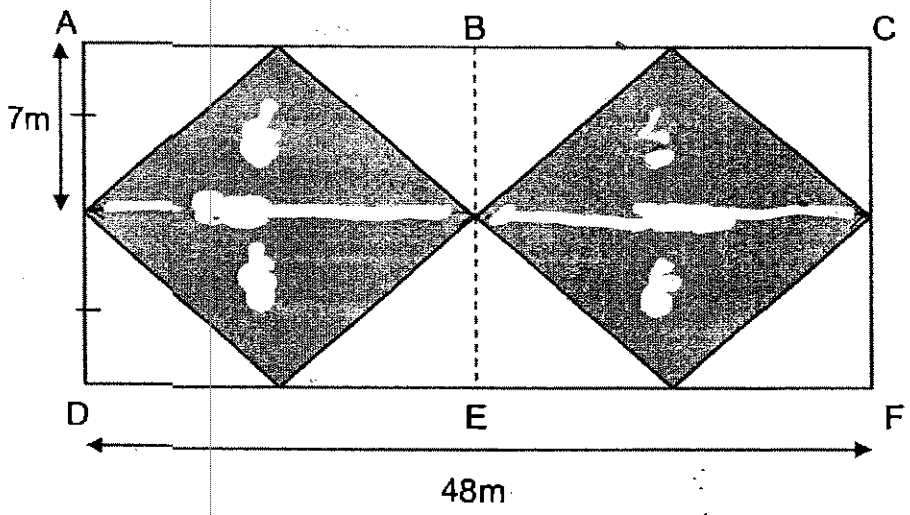

Ans : _____ [3m]

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Ans : _____ [3m]

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For questions 36 to 48, show your workings clearly in the space provided for each question and write your answers in the spaces provided. The number of marks available is shown in brackets [ ] at the end of each question or part-question.

---

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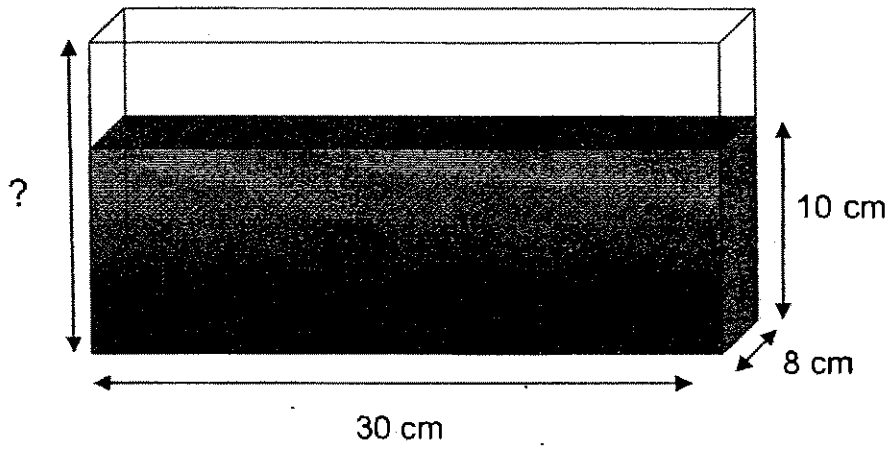

(a) What is the height of the tank?

(b) How much **more** water is needed to fill up the rest of the tank?

Ans : (a) _____ [2m]

(b) _____ [1m]

/ 3 marks

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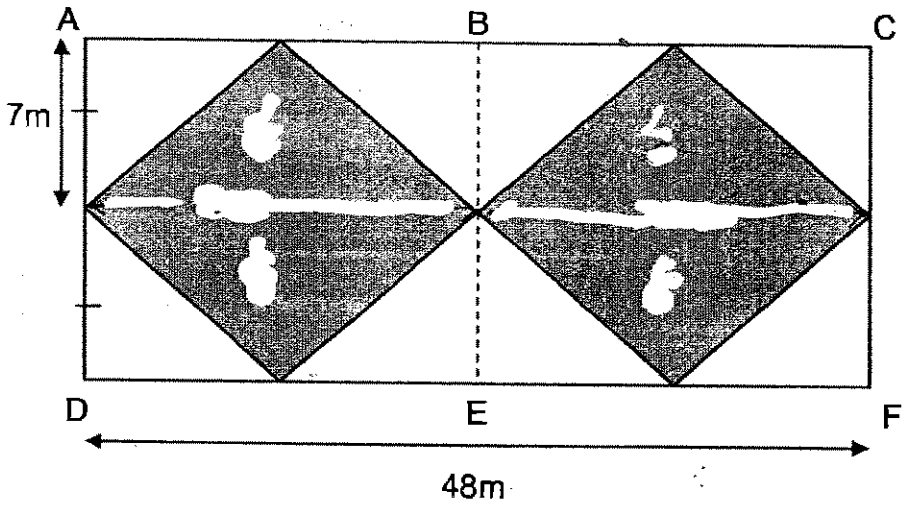


Ans : _____ [3m]

38. Hermione had 193 stamps. She gave 43 of them to Ron and gave 14% of the remainder to Fred. How many stamps had she left?

Ans : _____ [3m]

510

39. The average number of patrons in cinemas A, B, C and D is 350. There are 750 patrons in cinemas A and B. If there are 86 more patrons in cinema C than in cinema D, how many patrons are there in cinema C?

Ans : _____ [3m]

40. At Bake Bitez bakery, the price of one fresh loaf of bread is $1. However, if there are leftovers, each of these loaves is sold $0.40 cheaper on the next day. The table below shows the number of loaves baked and sold over two days. On August 2nd, all loaves were sold. Find the total earnings for the two days.

Day	Number of loaves baked	Total number sold
August 1st	90	62
August 2nd	90	118

Ans : 511 [3m]

TopSchoolExamPapers http://www.TopSchoolExamPapers.com

41. A full tank of petrol normally costs $60. The table below shows the discounts offered by 2 petrol stations.

Petrol Station	Discounts Offered
A	15%
B	10% + $2 cash discount

If Mdm Lim chooses to pump $60 worth of petrol at the station that has a greater overall discount, how much will she save?

Ans : _____ [3m]

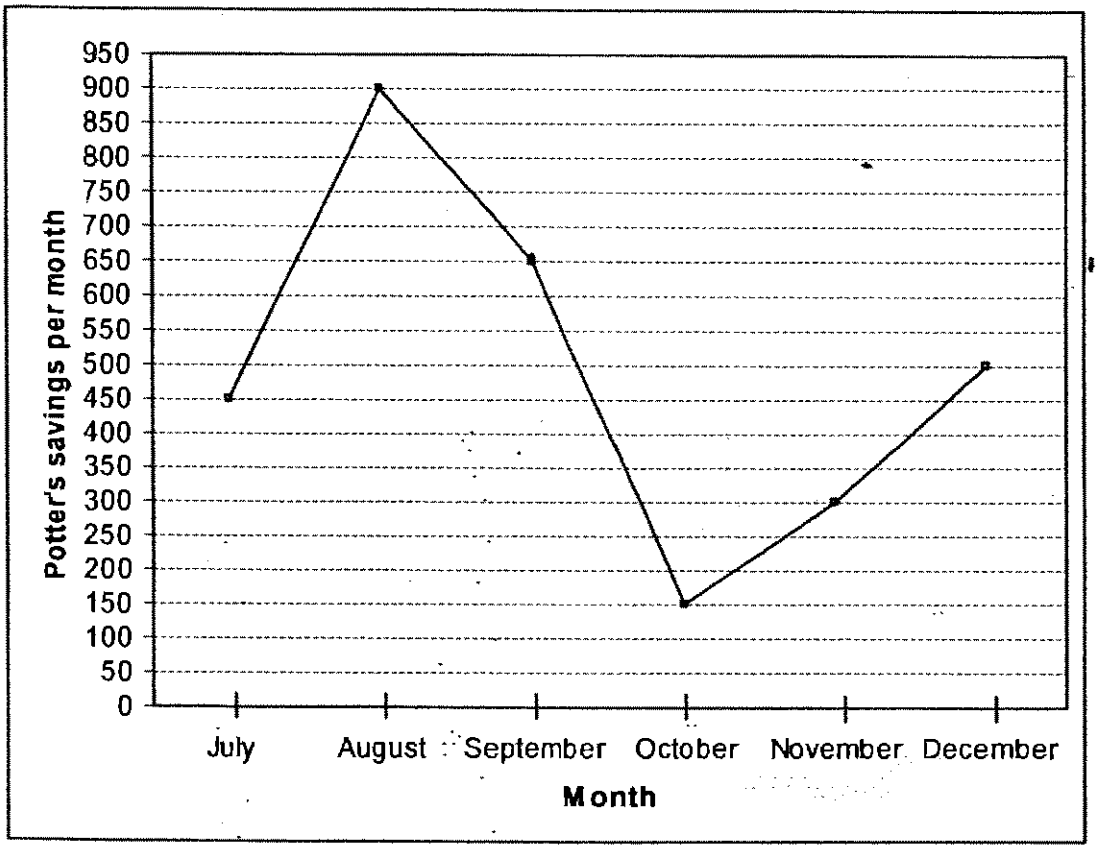
Top School Exam Papers http://www.TopSchoolExamPapers.com

42. Alice and Bernard had 160 erasers altogether. Alice gave $\frac{1}{4}$ of her erasers to Carl and Bernard gave 27 of his erasers to Carl. Then both Alice and Bernard had the same number of erasers left. How many erasers did Bernard have **at first**?

Ans : _____ [4m]

513

43. The following line graph shows Potter's monthly savings from the month of July to December. Study the graph carefully and answer the questions below.



(a) How much did Potter save from **July** to **November**?

(b) Potter earns $1 500 a month. What percentage of the salary did he save in the month of December? Round off your answer to 2 decimal places.

Ans: (a)_____ [2m]

514

(b) _____ [2m]

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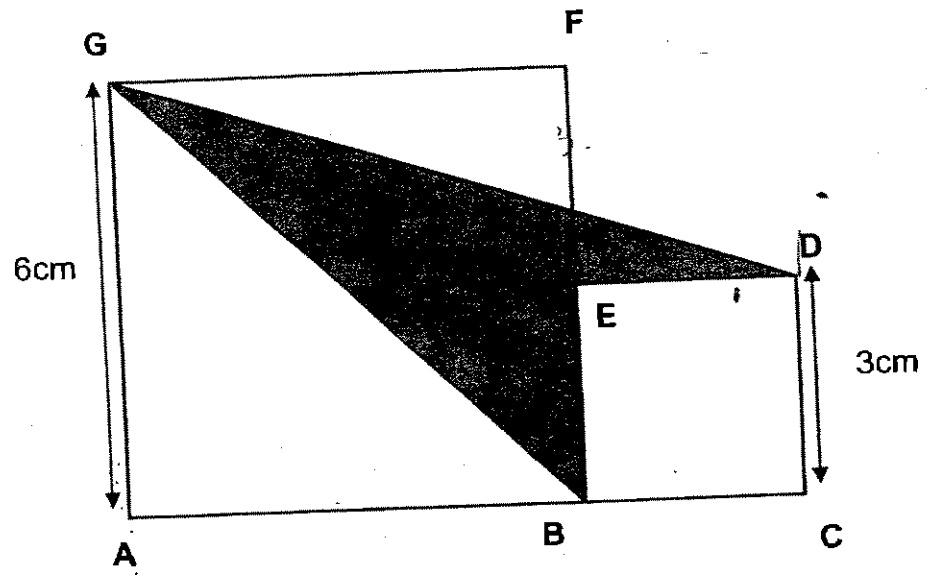
44. ABFG and BCDE are squares (not drawn to scale).
Find the area of the shaded region.



Ans : _____ [4m]

515

/ 4 marks

45. The ratio of the number of pears to the number of mangoes in Basket A and in Basket B are 2 : 1 and 2 : 7 respectively. Basket A has $\frac{2}{3}$ times as many fruits as Basket B.

(a) Find the ratio of the number of pears in Basket B to the number of pears in Basket A.

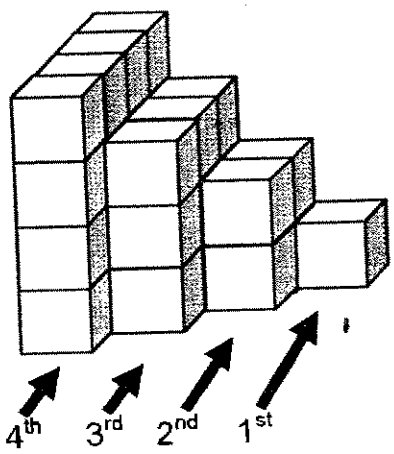
(b) When 18 mangoes are moved from Basket B to Basket A, the ratio of the number of pears to the number of mangoes in Basket A becomes 8 : 7. How many mangoes are there in Basket A now?

Ans : (a) _____ [2m]

(b) _____ [3m]

/ 5 marks

46. Study the solid figure below.



(a) How many unit cubes are needed to build the solid figure shown above?

(b) More layers are added to the solid.
Complete the table below.

Layers	1st	2nd	3rd	4th	5th	.....	9th
Number of unit cubes	1	4	9	16	(b) _____	.....	(b)_____

(c) Find the number of layers if 225 cubes are used.

Ans : (a) _____ [1m]

(b) Fillll in the table above [2m]

(c) _____ [2m]

517

47. James has 40% as many game cards as Sean. Sean has 80% as many game cards as Willie. James and Sean have 168 game cards altogether.

(a) How many game cards does Willie have?
(b) How many more game cards does Willie have than James?

Ans : (a) _____ [3m]

(b) _____ 518 [2m]

/ 5 marks

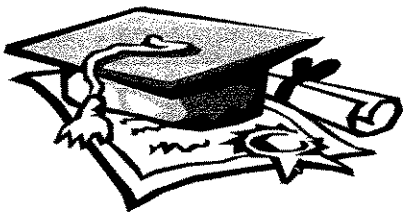
48. Melvin and Philip have a collection of coins from America and Europe. Melvin and Philip have an equal number of coins from America. $\frac{4}{5}$ of Philip's coins are from America and $\frac{1}{13}$ of Melvin's coins are from Europe. Given that both of them have a total of 12 coins from Europe, how many coins does each of them have?

Ans : Melvin has _____ coins

Philip has _____ coins

[5m]

519/ 5 marks



ANSWER SHEET

NAN HUA PRIMARY SCHOOL - PRIMARY 5 MATHEMATICS 2007
SEMESTRAL ASSESSMENT (2)

1. 2
2. 4
3. 2
4. 3
5. 4
6. 3
7. 1
8. 1
9. 3
10. 3
11. 4
12. 3
13. 2
14. 4
15. 4
16. 74963
17. 3
18. 152
19. 104.02
20. $4\frac{13}{20}$kg
21. 1/12
22. 150°
23. South
24. 36°
25. 65%
26. $65
27. 96
28. 3cm
29. 25°
30. 8cm

31) $23
32) 1/15
33) $510
34) 4/25
35) 60cm

36) a) 5/7of tank→30cmx8cmx10cm=2400cm3
1/7 of tank→2400cm3÷5=480cm3
1/7 of heig→30cmx8cmx2cm=480cm3
heig.of tank→2cmx7=14cm
The height of the tank is 14cm
b) rem.heig→14cm-10cm=4cm
am.wat.nee→30cmx8cmx4cm=960cm3
960cm3 more water is needed.

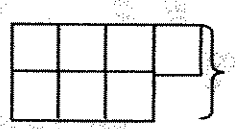
37) 48m÷2=24m
½ of shaded→ ½ x24mx7m=84m2
shaded→84m2x2=168m2
total shaded→168m2x2=336m2
The area is 336m2

38) Ron→43
Herm→193-43=150
Left→150x(100%-14%)=129
Hermione had 129 stamps left.

39) total→350x4=1400
C&D total→1400-750=650
2units→650-86=564
1 unit→564÷2=282
Cinema→282+86=368
There are 368 patrons in cinema C

40) August 1st
62 fresh loaves → 62x$1=$62
August 2nd
Leftovers → 90-62=28
mo.from left → 28x($1-0.40)=$16.80
fresh loaves's money → 90x$1=$90
total earned → $62+$90+$16.80=$168.80
The total earning is $168.80

41) Petrol Station A
She pays → $60x85%=$51
Petrol Station B
She pays → $60x90%-$2=$52
A → $51 (cheaper)
B → $52
$60-$51=$9
She will save $9

42) A
B

160

7 units → 160-27=133
1 unit → 133÷7=19
Bernard at first → 19x3+27=84
Bernard had 84 erasers at first.

43) a) total saving from July to Nov →
$(450+900+650+150+300)=$2450
Potter saved $2450
b) 33.33%
He saved 33% of his salary.

44) area of whole figure including added part
→6cmx9cm=54cm2
area of GBA
→ ½ x6cmx6cm=18cm2
area of GZD
→ ½ x9cmx3cm=13.5cm2
area of EDBC
→3cmx3cm=9cm2
area of shaded region
→54cm2-18cm2-13.5cm2-9cm2=13.5cm2
The area is 13.5cm2

45) a) 1:2
b) 42 mangoes

46) a) 1+4+9+16=30
30 cubes are needed.
b) 25, 81
c) 15x15=225
There are 15 layers

47) a) 150 cards
b) 102 cards

48) 4 units→12
1 unit→12÷4=3
Melvin→3x15=45
Philip→13x3=39
Melvin has 45 coins.
Philip has 39 coins.

Rosyth School
Second Semestral Assessment 2007
Mathematics
Primary 5

Name: _____

Class: Pr 5-_____ Register No. _____

100

Duration for Booklets A & B: **2 hours 15 min**

Date: 30 October 2007 Parent's Signature: _____

BOOKLET A

Instructions to Pupils:

1. Do not open any booklet until you are told to do so.
2. Follow all instructions carefully.
3. This paper consists of 2 booklets.
   - Booklet A consists of Section A. Booklet B consists of Sections B and C.
4. For questions 1 to 15 in Section A, shade the correct ovals on the Optical Answer Sheet (OAS).
5. ANSWER ALL QUESTIONS.

	Maximum	Marks Obtained
Section A	20	

* Booklet A consists of **7** pages altogether.

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Section A

Question 1 to 15 carries 2 marks each. For each question, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 and 4). Shade the correct answer on the OAS (Optical Answer Sheet). (20 marks)

---

1) Which one of the following has the digit 3 in the ten thousands place?

(1) 2 346 065

(2) 3 467 091

(3) 6 473 850

(4) 8 235 190

2) How many tens are there in 36 890?

(1) 36 890

(2) 3 689

(3) 368

(4) 36

3) $6\frac{3}{4} = 6 + \square + \frac{1}{12}$. What is the missing number in the box?

(1) $\frac{1}{4}$

(2) $\frac{1}{2}$

(3) $\frac{5}{6}$

(4) $\frac{2}{3}$

4) When a fraction is multiplied by 3, the answer is $\frac{3}{8}$. What is the fraction?

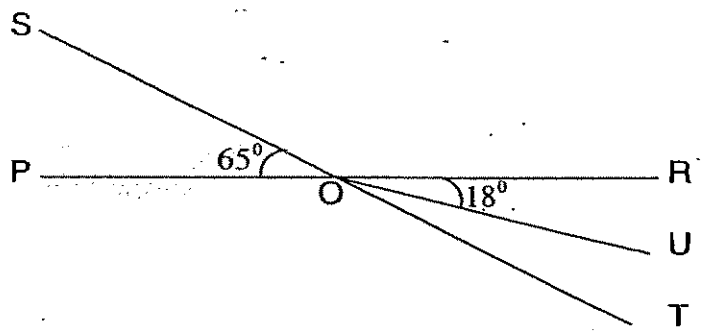
(1) $\frac{1}{24}$

(2) $\frac{1}{8}$

(3) $\frac{9}{8}$

(4) $\frac{27}{8}$

5) In the figure not drawn to scale, PR and ST are straight lines. Find $\angle$UOT.



(1) 47^0

(2) 83^0

(3) 97^0

(4) 115^0

6) Which one of the following numbers is the largest?

(1) 9.4

(2) 9.04

(3) 9.44

(4) 9.044

7) Maggie can write 32 words in 2 minutes. At this rate, how many words can she write in 8 minutes?

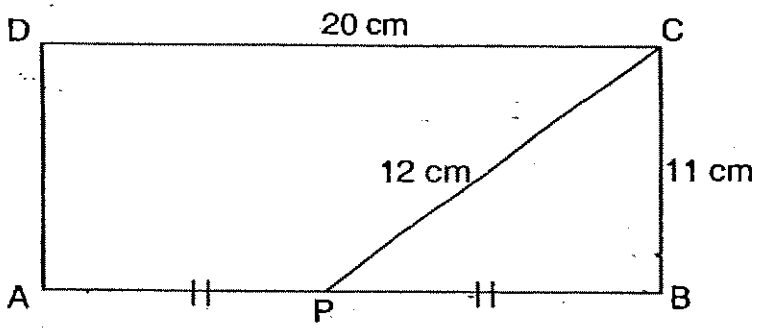
(1) 128

(2) 144

(3) 240

(4) 256

8) ABCD is a rectangle. DC = 20 cm and BC = 11 cm. P is the mid-point of AB. Find the area of triangle PBC.



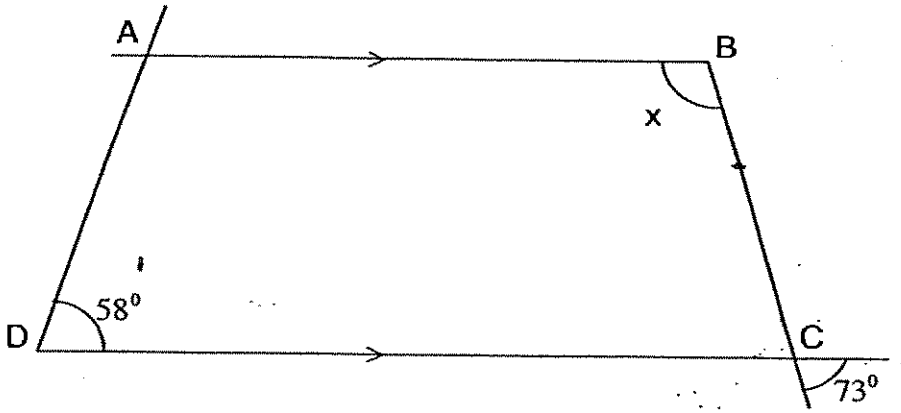
(1) $55cm^2$

(2) $60cm^2$

(3) $66cm^2$

(4) $110cm^2$

9) ABCD is a trapezium. Find $\angle x$.



(1) 58^0

(2) 73^0

(3) 107^0

(4) 122^0

10) The volume of the cube is 64 cm^3. Find the length of one side of the cube.

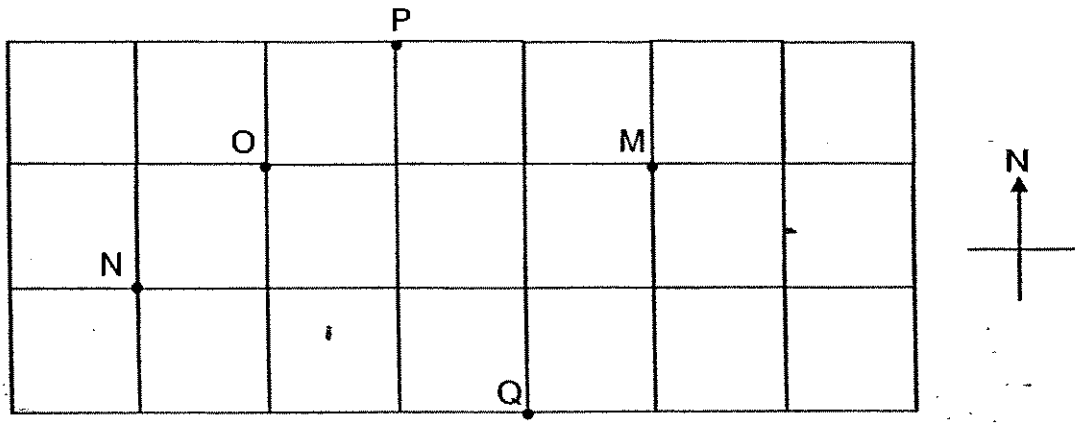
(1) 16 cm

(2) 8 cm

(3) 6 cm

(4) 4 cm

11) Look at the diagram below.



South-west of O is _____.

(1) M

(2) N

(3) P

(4) Q

12) Amy, Brenda and Carrie have a total sum of $84. Amy and Brenda have $54 altogether. What is the ratio of Carrie's share to the total sum of money?

(1) 5 : 9

(2) 5 : 14

(3) 9 : 14

(4) 9 : 23

13) 3 ducks cost $72 and 6 chickens cost $90. How much does 6 ducks and 9 chickens cost altogether?

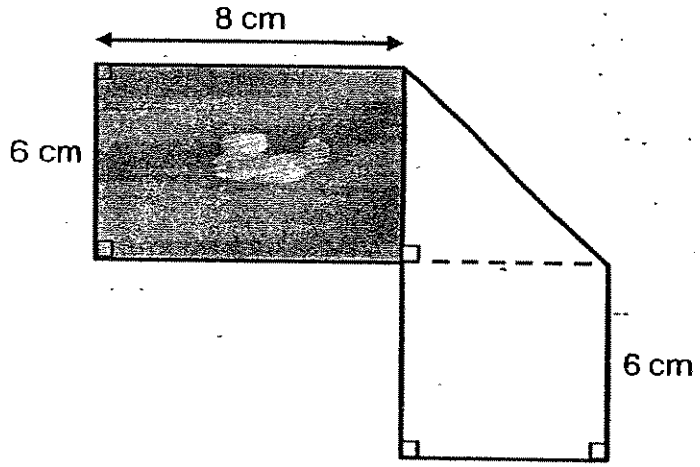
(1) $273

(2) $279

(3) $289

(4) $324

14) A rectangular piece of paper, partly shaded, is folded to form the shape shown below. Express the shaded area below as a percentage of the area of the rectangular piece of paper **before** it was folded. (Figure is not drawn to scale)



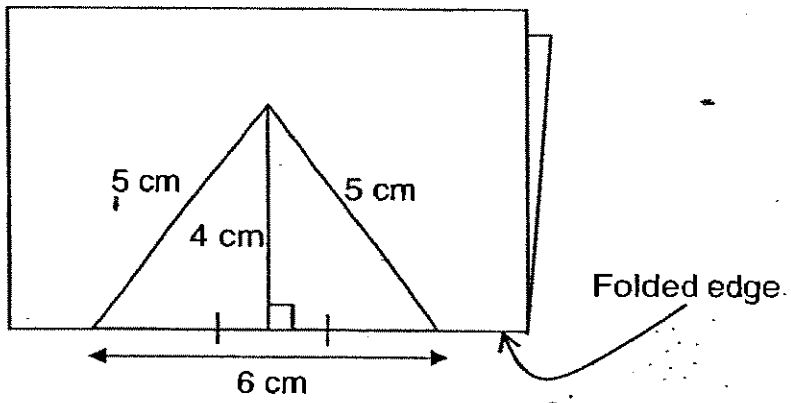
(1) 40%

(2) 44%

(3) 47%

(4) 50%

15) A rectangular piece of paper is folded in half. Using the folded edge as a base, three lines are drawn as shown below. The figure formed is then cut out and opened up. What is the area of the cut-out shape?



(1) 12 cm^2

(2) 24 cm^2

(3) 30 cm^2

(4) 60 cm^2

~~~END OF BOOKLET A~~~

Rosyth School
Second Semestral Assessment 2007
Mathematics
Primary 5

Name: _____

Class: Pr 5-_____ Register No. _____

Date: 30 October 2007 Parent's Signature:_____

BOOKLET B

Instructions to Pupils:
1. Do not open this booklet until you are told to do so.
2. Follow all instructions carefully.
3. This booklet consists of Sections B and C.
4. For questions 26 to 48, show all relevant working in the spaces provided.
5. ANSWER ALL QUESTIONS.

	Maximum	Marks Obtained
Section B	30	
Section C	50	
Sub-Total	80	

* Booklet B consists of 17 pages altogether.

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Section B

Questions **16** to **25** carry **1** mark each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (10 marks)

16) A taxi can carry a maximum of 4 passengers. What is the least number of taxis needed to transport 17 passengers?

Ans: _____

17) Find the value of $130 \div 16$.
Leave your answer in decimals.

Ans: _____

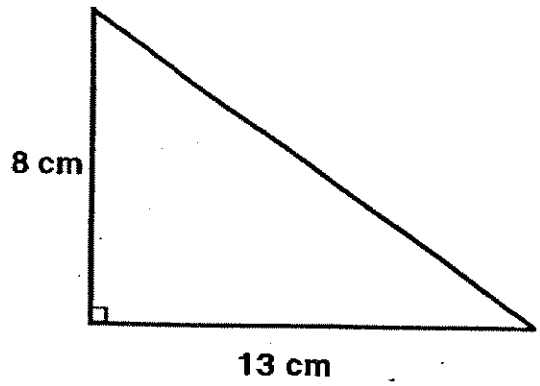
18) Find the value of $\frac{5}{6} \times \frac{3}{10}$.
Leave your answer in its simplest form.

Ans: _____

19) 27 kg of rice are shared equally among 7 people. How much rice does each person get? Leave your answer in its simplest form.

Ans: _____ **kg**

20) Find the area of the triangle below.



Ans: _____ cm^2

---

21) Round off 9.873 to 1 decimal place.

Ans: _____

---

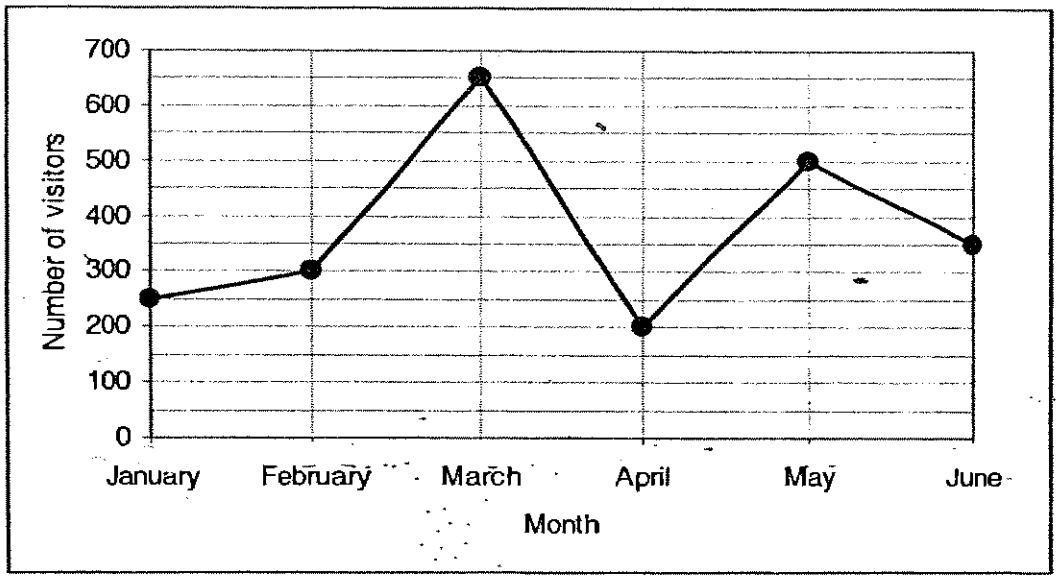
22) Express $1\frac{1}{5}$ as a percentage.

Ans: _____ %

---

23) Ryan was given a 20% discount for a meal that cost $5. How much did he pay for the meal?

Ans: $ _____

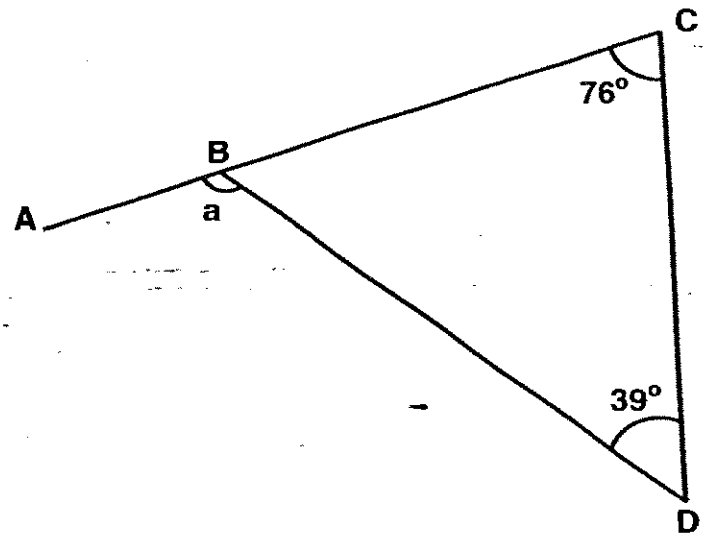


24) The line graph shows the number of visitors to the museum over 6 months. In which month was the number of visitors twice the number of visitors in January?

Ans: _____

---

25) The figure below is not drawn to scale. ABC is a straight line. Find ∠a.



Ans: _____ °

Questions **26** to **35** carry 2 marks each. Show your working clearly in the space below each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (20 marks)

---

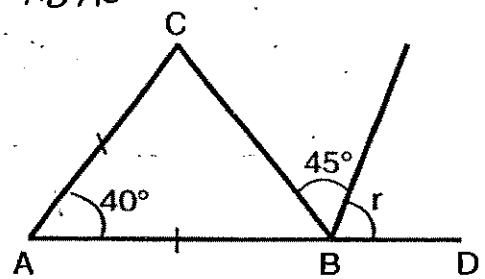
26) In every litre of apple juice, there is 400 ml of apple syrup. The rest of the juice is made up of water. How much water will there be in 2.5 litres of apple juice? Leave your answer in millilitres.

Ans: _____ mℓ

---

27) The figure below is not drawn to scale. Find ∠r.

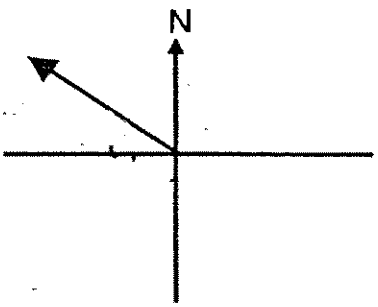
AB=AC



Ans: _____ °

---

28) Gerald was facing north-west. He made an anti-clockwise turn to face south.
What angle did he turn through?



Ans: _____ °

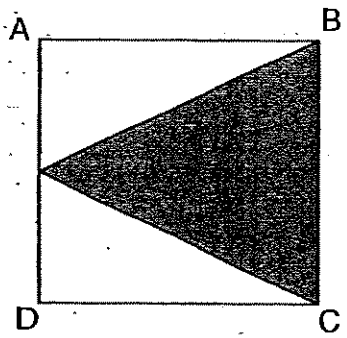
---

29) The ratio of the perimeter of square A to the perimeter of square B is 4 : 6. If the perimeter of square B is 60 cm, find the difference between the perimeters of the two squares.

Ans: _____ **cm**

---

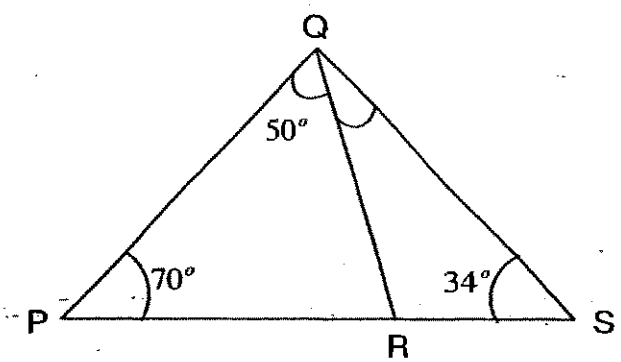
30) The square ABCD below has an area of 16 cm^2. Find the area of the shaded part.



Ans: _____ **cm^2**

---

31) The figure below is not drawn to scale. Find $\angle RQS$.



Ans: _____ **°**

---

32) Mrs Lee has some pencils. If she packs them into bundles of 5 pencils in each bundle, she will have 4 extra pencils. If she packs them into bundles of 9 pencils in each bundle, she will need 7 more pencils. How many pencils are there?

Ans: _____

33) The table below shows the parking rate at a car park in the city.

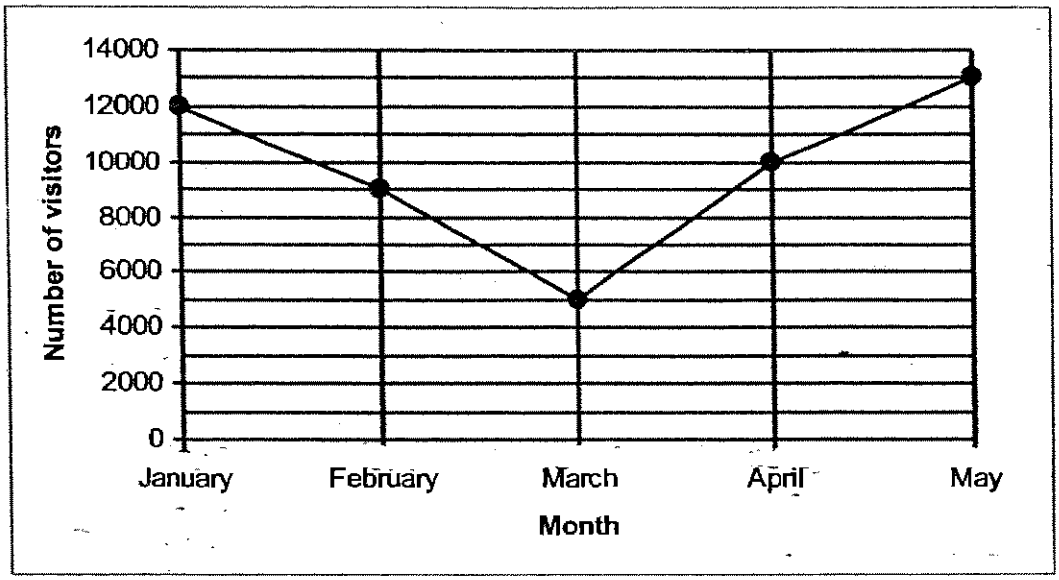
8 a.m. to 6 p.m.	$2.50 per hour or part thereof
After 6 p.m.	$0.50 per hour or part thereof

Mr. Teo parked his car from 3 p.m. to 8.30p.m. at the car park. How much did he have to pay?

Ans: $_____

34) A wooden block measures 10 cm by 8 cm by 2.5 cm. If 4 such wooden blocks are packed exactly into a rectangular box, what is the capacity of the box?

Ans: _____ cm^3



35) The graph above shows the number of visitors who visited the Night Safari from January to May. What is the average monthly number of visitors who visited the Night Safari over the 5 months?

Safari over the 5 months?

Ans: _____

Section C

For questions **36** to **48**, show your working clearly in the space provided for each question and write your answers in the spaces provided.

The number of marks available is shown in brackets [ ] at the end of each question or part question. (50 marks)

---

36) There are 500 Primary 5 pupils in Rosyth. 22% of them go to school by car, while 58% of them go to school by bus. The rest of the Primary 5 pupils walk to school. How many Primary 5 pupils walk to school?

Ans:_____**[3]**

---

37) There were 60 more women than men at a party. $\frac{3}{4}$ of the men and $\frac{1}{3}$ of the women wore watches. The number of women and the number of men who wore watches were the same. How many adults wore watches?

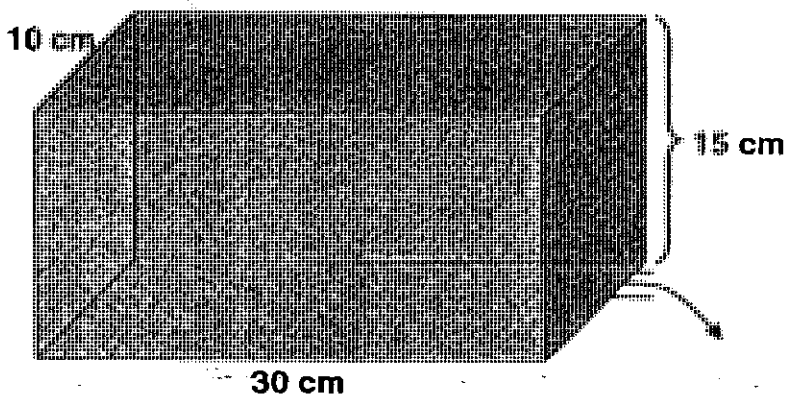
Ans:_____**[3]**

38) Luna, Ginny and Padma shared a pack of stickers in the ratio 7 : 5 : 3. The total number of stickers Luna and Ginny have is 36 more than Padma's share. Find the total number of stickers shared by the 3 girls.

Ans:_____ **[3]**

---

39) Water flows out of a rectangular tank at a rate of 600 mℓ per minute. Find the time it takes for the water level to fall by 8 cm. Leave your answer in minutes.



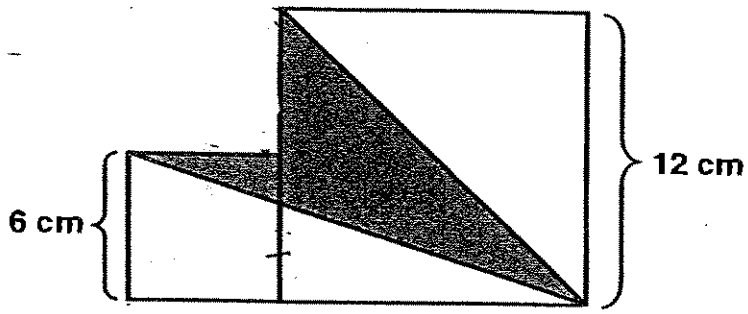
Ans:_____ **[3]**

40) The average number of letters in six magic spells is 9. Four of the spells are LUMOS, CRUCIO, PROTEGO and CONFUNDO. The 2 remaining spells have the same number of letters. How many letters does **each** of the 2 spells have?

Ans:_____ **[3]**

---

41) The figure below, not drawn to scale, is made up of 2 squares of different sizes. Find the area of the shaded region.



Ans:_____ **[3]**

42) A bus was three bus stops away from the bus terminal.
At the first bus stop, 10 passengers got on and 7 passengers got off.
At the second bus stop, no passengers got on and 9 passengers got off.
At the third bus stop, 12 passengers got on and no passengers got off.
When the bus arrived at the terminal, all 51 passengers got off.
How many passengers were on the bus just before it arrived at the first bus stop?

Ans: _____ **[4]**

43) A box contains balls, sticks and nets. $\frac{1}{4}$ of the items in the box are balls. The ratio of the number of sticks to the number of nets is 10 : 3. There are 42 more sticks than nets. How many items are there in the box altogether?

Ans:_____**[4]**

44) Sirius and Minerva shared some money in the ratio 2 : 5. Sirius bought a deck of cards for \$16 and donated $\frac{1}{4}$ of his remaining money. He had \$27 left. What was the total sum of money Sirius and Minerva had at first?

Ans:_____ **[4]**

45) A set of value meal consists of a hamburger, an apple pie and a can of juice. The hamburger costs $1.90 more than the apple pie. The apple pie costs $0.80 more than the can of juice. The total cost of 5 sets of the value meal is $37.

(a) Find the cost of the can of juice.

(b) Find the cost of 5 hamburgers.

Ans: (a)_____**[3]**

(b)_____**[2]**

46) Hogwarts Photography Club has 1150 members. 20% of the men and 25% of the women are non-professional photographers. A total of 250 members are non-professional photographers. How many more men than women are there in the club?

Ans: _____ **[5]**

47) At a book fair, Gideon spent \$6 less than $\frac{5}{8}$ of his money on story books and \$2 more than $\frac{7}{9}$ of his remaining money on reference books. After buying the books, he still had \$10 left.

(a) How much money was left after Gideon bought his story books and before he bought the reference books?

(b) How much money did Gideon have at first?

Ans: (a)_____ **[2]**

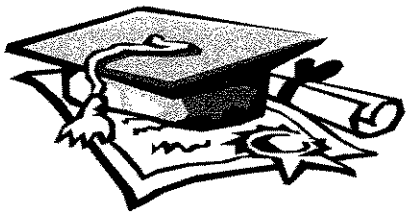
(b)_____ **[3]**

48) There were two identical flights of steps. For the first flight of steps, Albus walked up some steps and ran 4 steps, and took a total of 75 seconds. For the second flight of steps, Albus walked up some steps and ran 11 steps, and took a total of 40 seconds. How long will Albus take if he had walked up **both** flights of steps? Leave your answer in seconds.

Ans:_____ **[5]**

~END OF PAPER~

Have you checked your work thoroughly?



ANSWER SHEET

ROSYTH PRIMARY SCHOOL - PRIMARY 5 MATHEMATICS 2007
SEMESTRAL ASSESSMENT (2)

1. 4
2. 2
3. 4
4. 2
5. 1
6. 3
7. 1
8. 1
9. 3
10. 4
11. 2
12. 2
13. 2
14. 1
15. 2
16. 5 taxis
17. 8.125
18. ¼
19. $3\frac{1}{7}$kg
20. 52cm2
21. 9.9
22. 120%
23. $4.00
24. May
25. 115°
26. 1500ml
27. 65°
28. 135°
29. 20cm
30. 8

31) 26°

32) 29

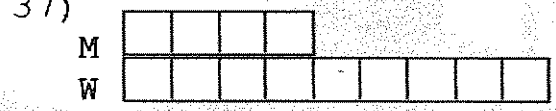
33) $9

34) 800cm3

35) 9800 visitors

36) 22+58=80
100-80=20
20/100x500=100
100 primary 5 pupils walk to school

37)



60÷5=12
12x6=72
72 adults wore watches.

38) L : G : P
= 7 : 5 : 3
7+5-3=9u
7+5+3=15u
9u=36
1u=36/9=4
15u=15x4=60 stickers.

39) 10x30=300
300x8=2400
2400÷600=4
It takes 4 minutes for the water level to fall by 8cm.

40) 9x6=54
5+6+7=13+5=18
18+8=26
54-26=28
28÷2=14
Each of the two spells have 14 letters.

41) 12+6=18
½ x18x6=54
½ x12x12=72
6x6=36
12x12=144
144+36=180
180-126=54
The area of the shaded region is 54 cm2.

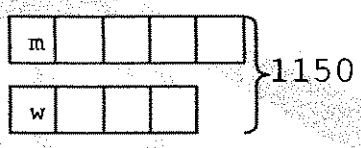
42) 51-12=39
39+9=48
48-10=38
38+7=45
45 passengers were on the bus before it arrived at the first bus stop.

43) 10-3=7
42÷7=6
6x13=78
78÷3=26
26+78=104
There are 104 item in the box altogether.

44) 27÷3=9
9x4=36
36+16=52
52÷2=26
26x7=182
The total sum of money Sirius and Minerva had at first was $182.

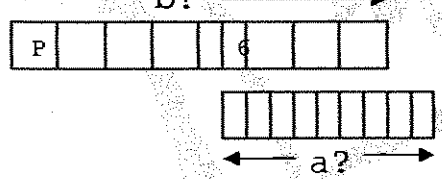
45)a)0.80x2=1.60
1.60+1.90=3.50
7.40-3.50=3.90
3.90÷3=1.30
The cost of the can of juice $1.30
b)1.30+0.80=2.10
2.10+1.90=4.00
4.00x5=20.00
The cost of 5 hamburgers is $20.00

46)



1M+1W=250
4M+4W=250X4=1000
5M+4W=1150
1M=1150-1000=150
5M=150X5=750 men
4W=1150-750=400 women
750-400=350

47)



a)2u=$10+$2=$12
1u=$12/2=$6
9u=9x$6=$54
b)3 parts =$54-$6=$48
1 part =$48/3=$16
8 parts =8x$16=$128

48)11-4=7
Difference between running and walking
7 steps =75-40=35 seconds
1 step = 35/7=5 seconds
4x5=20
75+20=95
95+95=190 seconds.

Name: _____ ( )

Class: Primary 5 ( )

CHIJ ST NICHOLAS GIRLS' SCHOOL

PRIMARY 5

SECOND SEMESTRAL ASSESSMENT 2007

MATHEMATICS

BOOKLET A

11 OCTOBER 2007

Duration of Paper: 2h 15 min

Do not open the booklet until you are told to do so.
Follow all instructions carefully.

555

Questions 1 to 10 carry 1 mark each. Questions 11 to 15 carry 2 marks each.

For each question, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4). Shade the correct oval (1, 2, 3 or 4) on the Optical Answer Sheet (OAS) **(20 marks)**

---

1) 8 095 909 = 8 x 1 000 000 + 9 x ☐ + 5 x 1 000 + 9 x 100 + 9

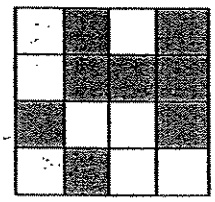
What is the missing number in the box?

1) 10
2) 100
3) 1 000
4) 10 000

2) Find the product of 37.08 and 56.

1) 20.7648
2) 207.648
3) 2076.48
4) 20 764.8

3) How many more parts must be shaded in the diagram below so that only 75% of the whole figure is shaded?

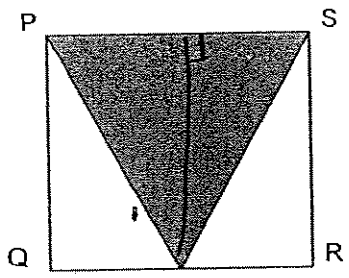


1) 3
2) 4
3) 8
4) 12

4) A rectangle has a perimeter of 60 cm. Its breadth is 10 cm. Find the ratio of its length to its breadth.

1) 1 : 1
2) 1 : 2
3) 2 : 1
4) 2 : 5

5) PQRS is a square of side 14 cm. Find the shaded area.

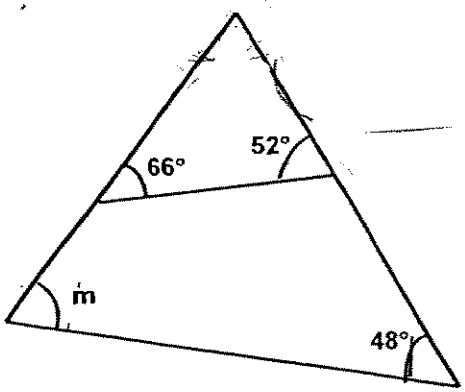


1) 56 cm^2
2) 98 cm^2
3) 100 cm^2
4) 196 cm^2

6) The average of 4 numbers is 13.5. Three of the numbers are 18, 11.2 and 20.8. Find the last number.

1) 4
2) 9.5
3) 40.5
4) 54

7) Find $\angle m$.



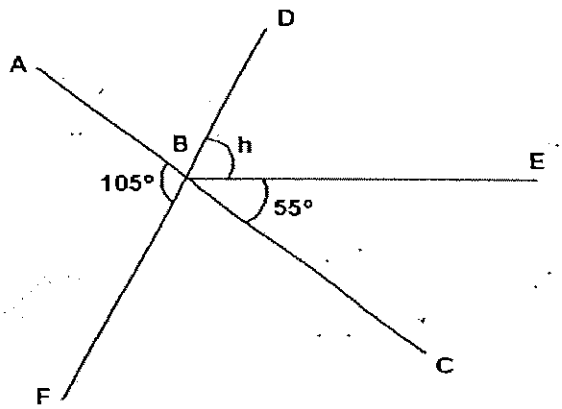
1) 62°
2) 66°
3) 70°
4) 132°

8) Mrs Tan bought 2 kg of flour. She used 1 kg 200g to bake a cake. What fraction of the flour had she left?

1) $\frac{3}{5}$ 2) $\frac{2}{3}$

3) $\frac{2}{5}$ 4) $\frac{1}{3}$

9) ABC and DBF are straight lines. Find $\angle$ h.



1) 20° 2) 35°

3) 50° 4) 105°

10) The area of a piece of square land is 64 m^2. Find the perimeter of the piece of land.

1) 8 m 2) 16 m

3) 32 m 4) 128 m

11) 50 people attended a party. There were 16 more men than women. What percentage of the people at the party were women?

1) 32 %
2) 34%
3) 66%
4) 68%

12) The table below shows Ron's collection of marbles of different colours.

MARBLES	
White and Green	108
Red and White	300
Red, White and Green	368

Find the ratio of the number of white marbles to the total number of marbles.

1) 5 : 36
2) 5 : 46
3) 5 : 51
4) 5 : 97

13) How many quarters are there in the sum of $5\frac{5}{6}$ and $3\frac{5}{12}$?

1) 9
2) 37
3) 85
4) 91

14) Uncle Sam has 15 boxes of oranges. Each box has 48 oranges. He discarded 36 rotten ones and repacked the remainder equally into 18 plastic bags. How many oranges are there in each plastic bag now?

1) 10
2) 24
3) 38
4) 40

15) At a gift shop, stickers are sold at 3 for $ 2.50. What is the maximum number of stickers Suling can buy with $39?

1) 41
2) 44
3) 45
4) 48

End of Section A

Name: _____ ( )

Class: Primary 5 ( )

CHIJ ST NICHOLAS GIRLS' SCHOOL

PRIMARY 5

SECOND SEMESTRAL ASSESSMENT 2007

MATHEMATICS

BOOKLET B

11 OCTOBER 2007

Booklet A	**/ 20**
Booklet B	**/ 80**
Total Marks	**/ 100**

Parent's/ Guardian's Signature

Duration of Paper: 2h 15 min

Do not open the booklet until you are told to do so.
Follow all instructions carefully.

561

Questions 16 to 25 carry 1 mark each.
Write your answers in the space provided. Give your answers in the units stated. **(10 marks)**

Do not wri

in this spa

16) Find the value of $88 \div 2 \times 4 - (24 - 16)$.

Ans: _____

17) Complete the number pattern.

1.478, ___A___, ___B___, 0.878, 0.678, 0.478, 0.278

Ans: A : _____

B : _____

18) The difference between 2 whole numbers is 5. The product of these 2 numbers is 1800. What are the 2 numbers?

Ans: _____

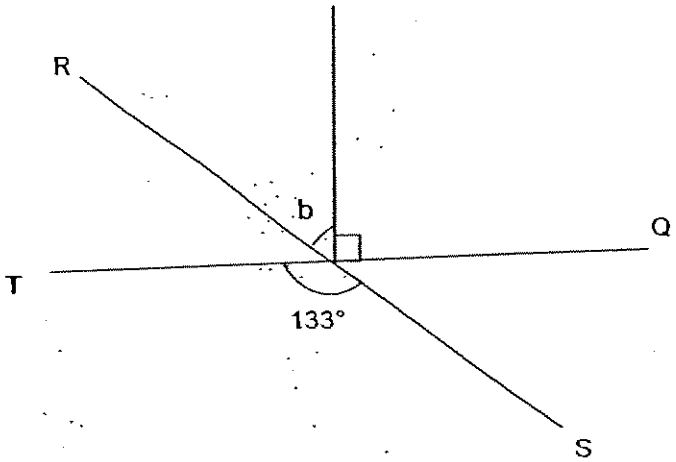
19) Express 1.34 as a percentage.

Ans: _____ %

20) Express 4 m 6 cm in metres.

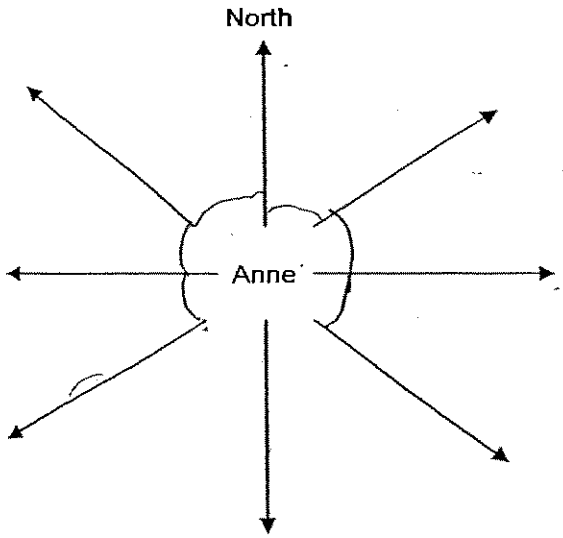
Ans: _____ m

21) The figure below is not drawn to scale. RS and TQ are straight lines.
Find ∠b



Ans: _____ °

22) Anne is facing North. If she turns 135° anti-clockwise, she will be facing the playground. In which direction would the playground be?



Ans: _____

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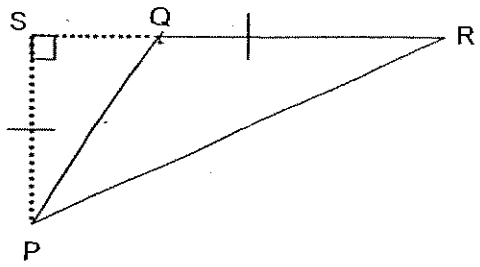
23) In triangle PQR, QR = 6 cm, SQ = 2 cm and PQ = 7 cm.
Find the area of triangle PQR.

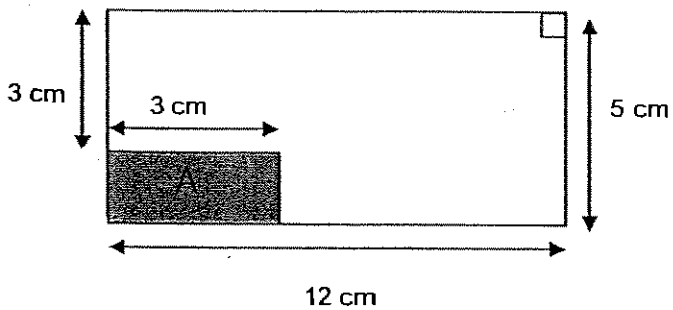


Ans: _____ cm^2

24) Uncle Raju can pack 7 boxes of fruits in 15 minutes.
At this rate, how many boxes of fruits can he pack in $2\frac{1}{4}$ hours?

Ans: _____ boxes

25) Find the area of the unshaded part of the figure shown below.



Ans: _____ cm^2

Do not wri
in this spa

Questions 26 to 35 carry 2 marks each. Write your answers in the space provided. Show all workings clearly and give your answers in the units stated.

(~~10~~ 20 marks)

Do not write in this space

---

26) Madam Soon has \$45. She gave $\frac{1}{3}$ of the money to Meng Li and $\frac{1}{5}$ of the remainder to Meng Hua. How much money had Madam Soon left?

Ans: \$_____

27) Mr Wong cut a 150 cm ribbon into 3 pieces. The length of each ribbon is in the ratio 3 : 5 : 12. Find the difference in length between the shortest and the longest piece of ribbon.

Ans:_____ cm

28) A documentary started at 9.45 a.m. and ended at 12.30 p.m. How long was the documentary? Leave the answer in hours.

Ans:_____ hours

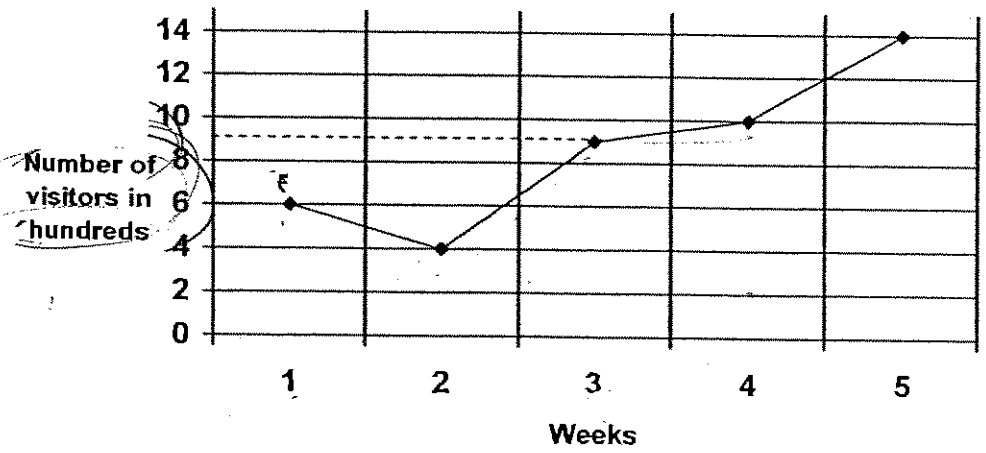
29) The car park charges at a multi-storey car park in AZ shopping mall are as follows:

First $\frac{1}{2}$ hour	Free
Next 1 hour	$2.00
Each additional hour or part thereof	$1.50

How much does it cost if Lynn parked her car from 1.30 p.m. to 5.25 p.m.?

Ans: $ _____

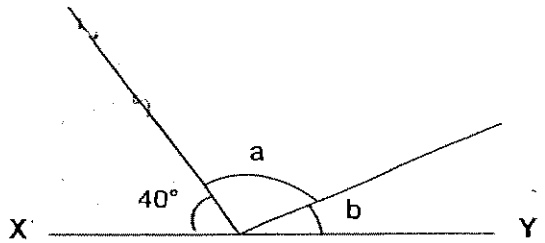
30) The following graph shows the number of visitors to the zoo over a period of 5 weeks.



What was the greatest increase in the number of visitors to the zoo?

Ans: _____

31) XY is a straight line. ∠a is 3 times the size of ∠b. Find ∠a.



Ans: _____ °

32) Claudia spent 5 min 32 s doing her English quiz. She spent $10\frac{1}{4}$ min on her Chinese quiz and 367s on her Mathematics quiz. Find the average time she spent on each of the quizzes.

Ans: _____ min _____ s

33) The ratio of Alice's present age to her mother's present age is 3 : 5. In 8 years' time, their average age will be 44 years old. What is Alice's age now?

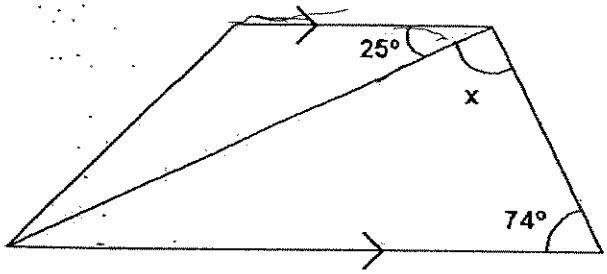
Ans: _____ years old

Do not writ
in this spac

34) A cubical tank of side 30 cm contains 10.8 ℓ of water. Find the water level in the tank.

Ans: _____ cm

35) The figure below is not drawn to scale. Find $\angle x$.



Ans: _____ °

End of Section B

Do not wri
in this spa

Section C (50 marks)

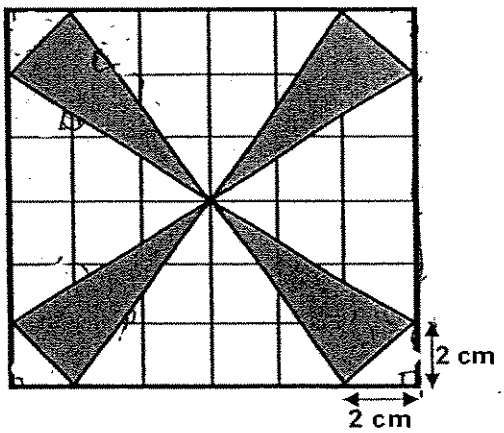
For questions 36 to 48, show your workings clearly in the space below each question and write your answer in the spaces provided. The number of marks available is shown in the brackets ( ) at the end of the question or part-question.

Do not writ
in this spac

36) Madam Lim bought 4 ℓ 250 $m\ell$ of milk at \$4 a litre and 2.5 ℓ of fruit juice at \$2 a litre. She paid for them with $\frac{2}{5}$ of her money. How much money had she left?

Ans: _____ (3m)

37) Find the total area of all the shaded parts.



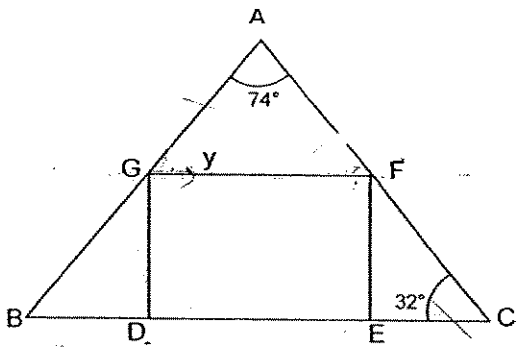
Ans: _____ (3m)

38) The area of a square is 30% of the area of a rectangle. The rectangle measures 25 m by 30 m. Find the length of the side of the square.

Ans: (3m)

---

39) The figure below is not drawn to scale. DEFG is a rectangle. Find $\angle y$.



Ans: _____ (3m)

Do not wri

in this spa

40) Mrs Bala cycles 1.6 km every day on weekdays. On weekends, she cycles $\frac{1}{2x}$ km more than what she cycles on weekdays. How far does she cycle in a week?

Do not write in this spac

Ans: _____ (3m)

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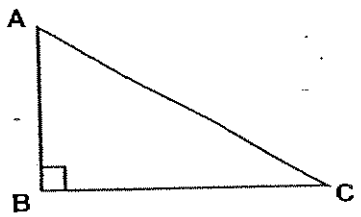
41) The lengths AB, BC and AC of a triangle are in the ratio 3 : 4 : 5 respectively. The perimeter of the triangle is 96 cm. Find the area of the triangle.



Ans: _____ (3m)

42) A rectangular container has a height of 15 cm and a length of 13 cm. The ratio of the breadth to the height of the container is 2 : 5.

a) Find the base area of the container.

b) What is the volume of the water in the container if it is $\frac{3}{5}$ filled?

Leave the answer in litres.

Do not writ

in this spa

Ans: (a) _____ (2m)

(b) _____

43) The rates for printing photographs at Shop A and Shop B are given below.

Number of photographs	Cost per photograph at Shop A	Cost per photograph at Shop B
First 50	20 ¢	25 ¢
Next 50	15 ¢	8 ¢

a) If Devi paid $13.75 at Shop A, how many photographs were printed?
b) Raina wants to print the same number of photographs as Devi. Which shop should she visit in order to get a cheaper rate?

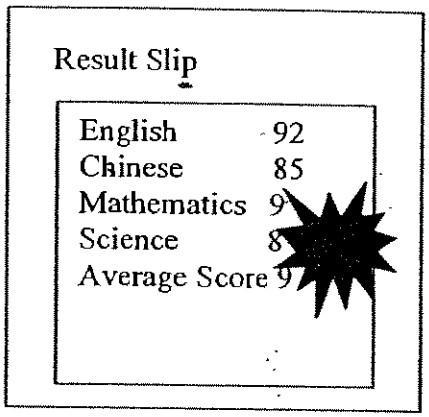
Do not writ in this spac

Ans: (a) _____ (2m)

(b) _____ (2m)

44) Ricky accidentally spilled some ink on his year-end result slip.

(a) What could be his highest possible average score?
(b) If his average score is 90 and his Mathematics score is 96, what is his Science score?



Ans: (a) _____ (2m)

(b) _____ (2m)

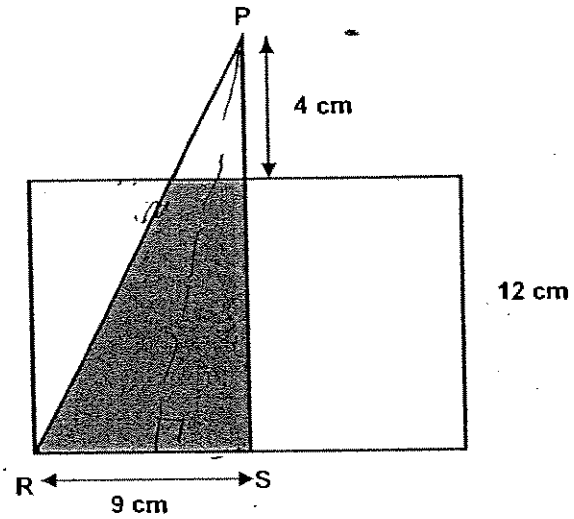
Do not wri

in this spa

45) A right-angled triangle, PRS, is placed over a rectangle as shown in the figure below. The ratio of the area of Triangle PRS to the area of the shaded part is 8: 7.

(a) Find the area of the shaded part.

(b) The total area of the unshaded parts in the rectangle is 129 cm^2. Express the breadth of the rectangle as a percentage of the length of the rectangle.



Do not write in this spac

Ans: (a) _____ (2m)

(b) _____ (3m)

46) The cost of 5 cupcakes and 4 buns is $5.80.
4 buns and 6 muffins cost $4.60. Each cupcake costs twice as much as each muffin. What is the cost of each bun?

Do not writ

in this spa

Ans: _____ (5m)

47) Mr Hamid gave $\frac{5}{8}$ of his salary to his wife and $\frac{2}{3}$ of the remainder to his mother. Then he spent 14% of the balance on a pair of earphones.

(a) If Mr Hamid earns $4600, find the total amount of money he gave to his wife and mother.

(b) How much did he spend on the pair of earphones?

Do not write in this spac

Ans: (a)_____ (3m)

(b)_____ (2m)

48) Each solid below is made up of 2-cm cubes.

(a) How many cubes are needed to form the 9th figure?
(b) Find the volume of the 4th figure.

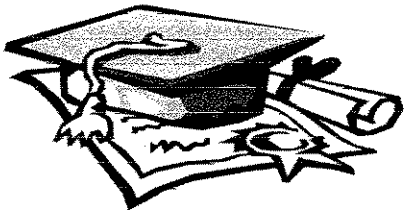
Fig. 1 Fig. 2 Fig. 3

Do not writ in this spac

Ans: (a)_____ (3m)

(b)_____ (2m)

End of Section C



ANSWER SHEET

CHIJ PRIMARY SCHOOL - PRIMARY 5 MATHEMATICS 2007
SEMESTRAL ASSESSMENT (2)

1. 4
2. 3
3. 2
4. 3
5. 2
6. 1
7. 3
8. 3
9. 3
10. 3
11. 2
12. 2
13. 2
14. 3
15. 3
16. 168
17. A:1.278
    B:1.078
18. 40,45
19. 134%
20. 4.06
21. 43
22. South-west
23. 18 cm2
24. 63 boxes
25. 54 cm2
26. $24
27. 67.5cm
28. $2\frac{3}{4}$h
29. $6.50
30. 500
31) 105°
32) 7 min 18s
33) 27 years old
34) 12 cm
35) 81°
36) $33
37) 40cm2
38) 15m
39) 74°
40) 12.2km
41) 384cm2
42) a) 78cm2
    b) 0.702L
43) a) 75
    b) shop A
44) a) 91.25
    b) 87
45) a) 63 cm2
    b) 75%
46) 70¢
47) a) $4025
    b) $80.50
48) a) 25
    b) 80

Anglo-Chinese School (Primary)

P5 MATHEMATICS 2007

END-OF-YEAR EXAMINATION

BOOKLET A

Name: _____ ( ) Class: Primary 5

Date: 30 October 2007 Duration of paper: 2 h 15 min

THIS BOOKLET CONTAINS 7 PAGES.
DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.
FOLLOW ALL INSTRUCTIONS CAREFULLY.

SECTION A - Multiple Choice Questions (20 MARKS)

Questions 1 to 10 carry 1 mark each.
Questions 11 to 15 carry 2 marks each.
For each question, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4). Shade the correct oval (1, 2, 3 or 4) on the Optical Answer Sheet (OAS).

1. What is four hundred and two thousand, eight hundred and one?

   (1) 42 801
   (2) 402 801
   (3) 420 801
   (4) 4 002 801

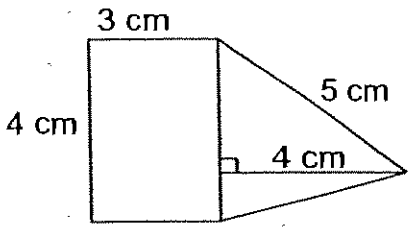
2. In 736×20, what is the digit in the hundreds place?

   (1) 1
   (2) 2
   (3) 4
   (4) 7

3. Express 250 as a fraction of 750.

   (1) $\frac{1}{5}$
   (2) $\frac{1}{4}$
   (3) $\frac{2}{7}$
   (4) $\frac{1}{3}$

4. The figure below (not drawn to scale) is made up of 1 rectangle and 2 triangles. Find the area of the whole figure.

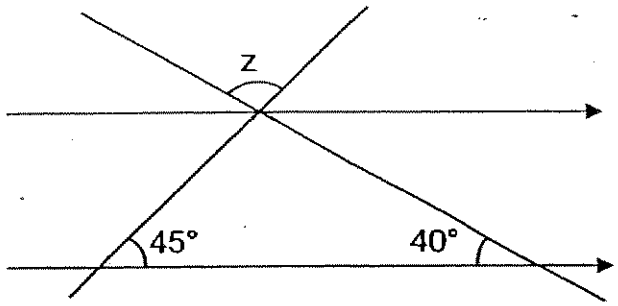


(1) 20 cm^2
(2) 24 cm^2
(3) 27 cm^2
(4) 32 cm^2

5. The ratio of the number of boys to the total number of children in the library was 3 : 5. Which one of the following could be a possible number of the girls in the library?

(1) 3
(2) 4
(3) 5
(4) 7

6. The figure below is not drawn to scale. Find the value of z.



(1) 85°
(2) 90°
(3) 95°
(4) 100°

7. If 600 g of sugar costs $2.40, how much will 1 kg of sugar cost?

(1) $1.44
(2) $4.00
(3) $4.80
(4) $24.00

8. In a class of 40 students, 30% of the students failed their Science test. How many students passed the Science test?

(1) 10
(2) 12
(3) 28
(4) 30

9. How many different handshakes can be made in a party of 7 children, if each child shakes hands with every other child only once?

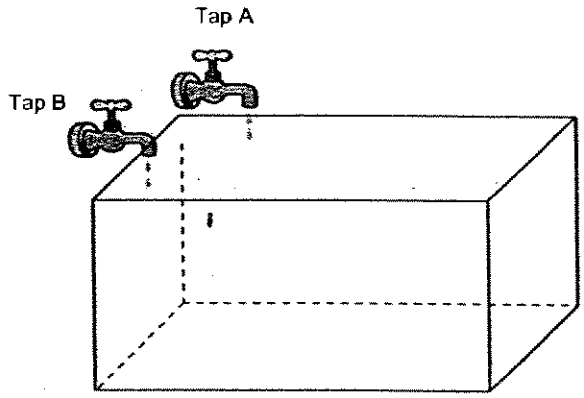
(1) 6
(2) 11
(3) 15
(4) 21

10. Complete the number pattern.

1 135, 1 385, _____, 1 885, 2 135

(1) 1 435
(2) 1 535
(3) 1 635
(4) 1 735

11. Peter wants to fill up his rectangular water tank measuring 150 cm by 30 cm by 40 cm to its brim. Tap A can flow out 5 litres of water per minute and Tap B can flow out 4 litres of water per minute. If both taps are turned on at the same time how long does it take to fill up the whole tank?

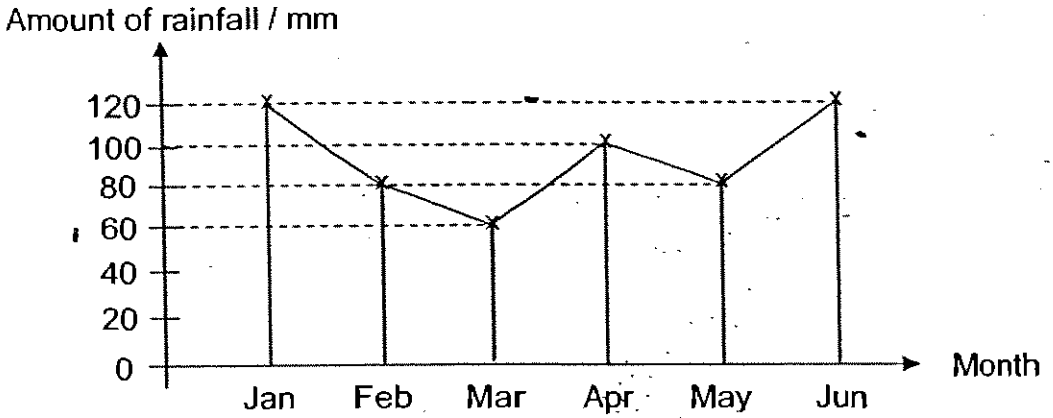


(1) 9 minutes
(2) 20 minutes
(3) 36 minutes
(4) 45 minutes

12. The sum of 2 numbers is 240. If the bigger number is three times as big as the smaller number, find the difference between the 2 numbers.

(1) 60
(2) 80
(3) 120
(4) 180

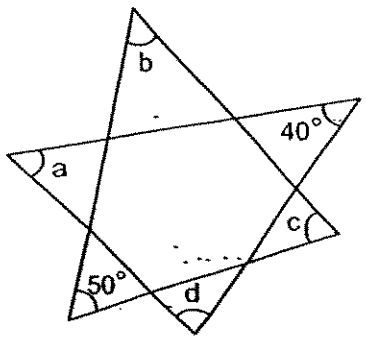
13. The line graph below shows the amount of rainfall recorded in Singapore over a period of 6 months.



The average amount of rainfall per month is approximately _____.

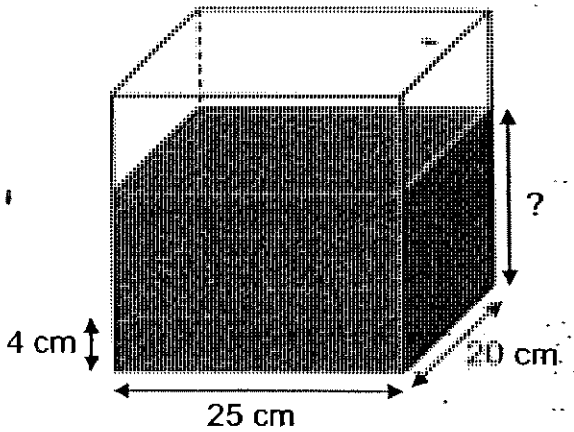
(1) 80 mm
(2) 93 mm
(3) 112 mm
(4) 560 mm

14. The figure below is made up of two triangles. Find ∠a + ∠b + ∠c + ∠d.



(1) 90°
(2) 180°
(3) 200°
(4) 270°

15. A rectangular tank has a base of 25 cm by 20 cm. The height of the water level in the container is 4 cm at first. What is the height of the water level after 5 litres of water is poured into the tank?



(1) 10 cm
(2) 14 cm
(3) 20 cm
(4) 25 cm

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Anglo-Chinese School (Primary)

P5 MATHEMATICS 2007

END-OF-YEAR EXAMINATION

BOOKLET B

Name: _____ ( ) Class: Primary 5 ___

Date: 30 October 2007 Duration of paper: 2 h 15 min

_____

Parent's/Guardian's signature

Section	Maximum Marks	Marks Obtained
Section A. Multiple Choice Questions	20	
Section B. Shorts answers: Part 1	10	
Section B. Shorts answers: Part 2	20	
Section C. Problem Sum	50	
Total	100	

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SECTION B - Short Answers (30 MARKS)

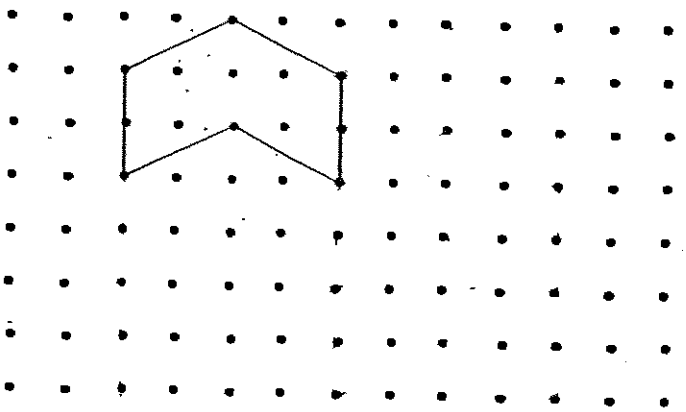
Part I (10 × 1 mark)

Questions 16 to 25 carry 1 mark each. Write your answer in the space provided. Give your answers in the units stated.

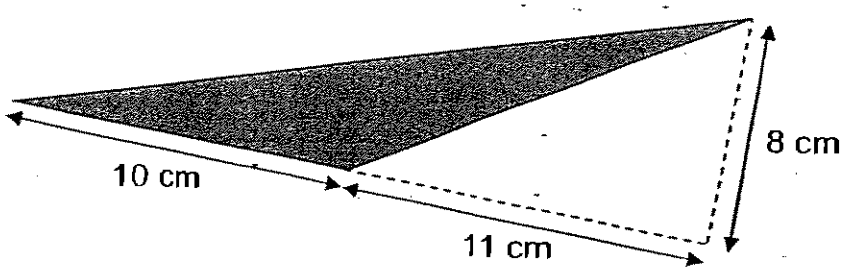
16. What is the value of $200 - 50 \times 3 \div 5$?

Answer: _____

17. The pattern in the box shows part of a tessellation. Extend the tessellation by drawing five more unit shapes in the spaces provided in the box.



18. Find the area of the shaded triangle shown below.



Answer: _____ cm^2

19. What is the missing number in the box?

$\square$: 14 = 42 : 84

Answer: _____

20. John is standing in a field facing the West. He turns 270° anticlockwise. Which direction is he facing now?

Answer: _____

21. What is the value of 1.75 + 2.96?

Answer: _____

22. Express $\frac{7}{8}$ as a percentage.

Answer: _____

23. A school has a student population of 1 700. How many of the students are boys if 42% of the population are girls?

Answer: _____

24. Jane obtained the following marks for her mid-year examinations:

Mathematics:	68 marks
Science:	74 marks
English Language:	63 marks
Chinese Language:	85 marks

What is her average mark for the mid-year examinations?

Answer: _____

25. Find the sum of 1 + 2 + 3 + ...+ 8 + 9 + 10.

Answer: _____

Part II (10 × 2 marks)

Questions 26 to 35 carry 2 marks each. Show all workings clearly.
Write your answer in the space provided. Give your answers in the units stated and in its simplest form whenever possible.

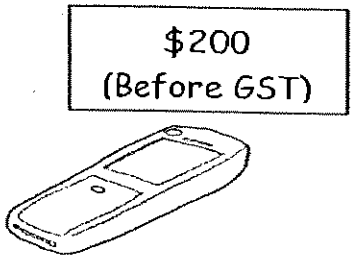
26. Shawn has $1 500 to purchase music CDs. If each CD costs $18, what will be the maximum number of CDs that he can purchase?

Answer: _____

27. Express $6\frac{3}{20}$ as a decimal.

Answer: _____

28. David went to a shop to buy a cellphone. The diagram below shows the cellphone that he wants to purchase and its price tag.



The Goods and Services Tax (GST) is 7%. How much will David have to pay for the cellphone after GST?

Answer: $_____

29. The total mass of 7 men and 4 women is 647 kg. If the average mass of the 4 women is 48 kg, find the average mass of the 7 men.

Answer: _____ kg

30. Chee Keong saw a discount advertisement poster at a durian stall:

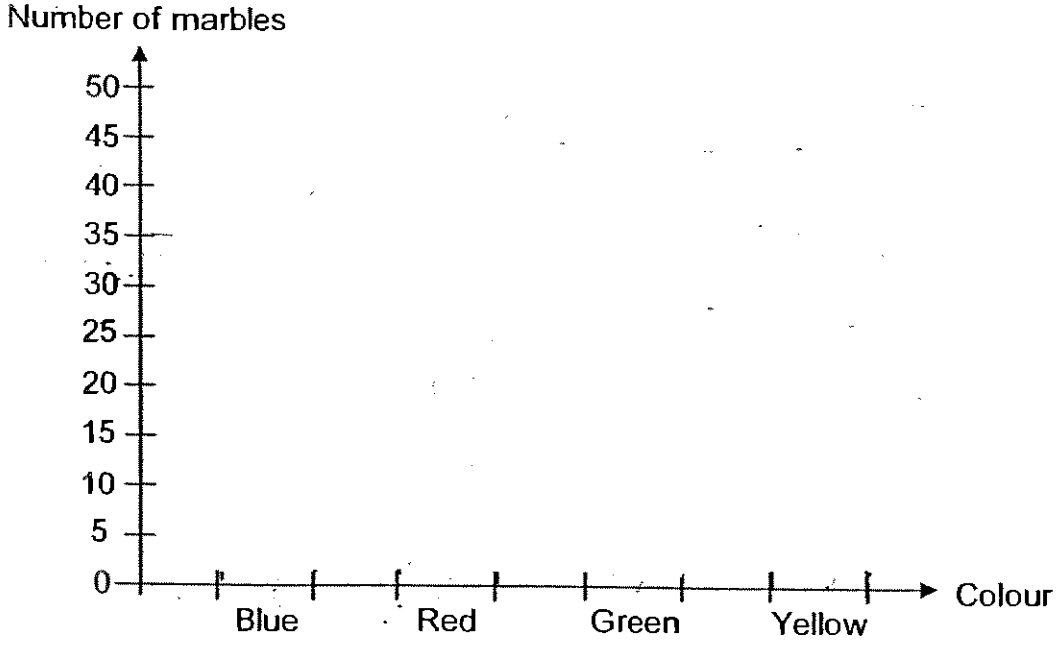
Special Price for Bulk Order	
First 20 kg	$10.50 per kg
Next 20 kg	$9.20 per kg
Every kg thereafter	$7.50 per kg

How much would Chee Keong have to pay if he purchased 44 kg of durians from the stall?

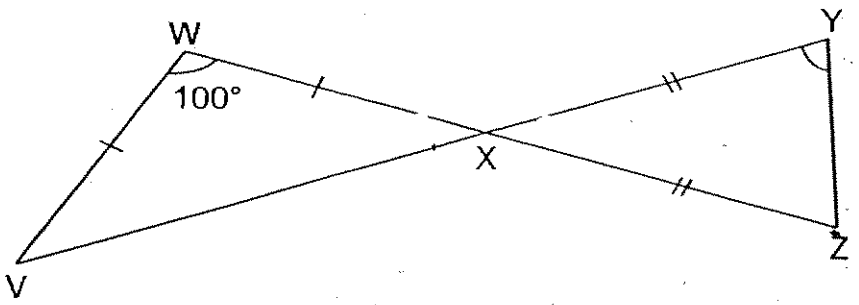
Answer: $_____

31. Bryan has some marbles of which 35 are blue. There are 5 more red marbles than blue marbles. The green marbles is 20 fewer than the blue marbles and there are as many yellow marbles as the red marbles.

From the above information, draw the bar graph below.

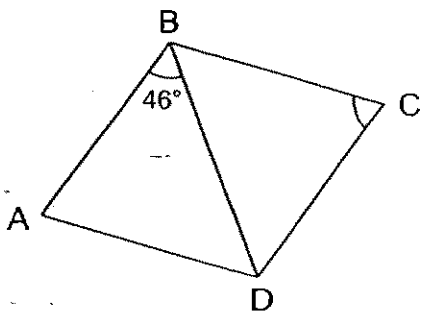


32. The figure below (not drawn to scale) is made up of two triangles VWX and XYZ. WXZ and VXY are straight lines. Find the value of ∠XYZ.



Answer: _____

33. ABCD is a rhombus and ∠ABD is 46°. Find ∠BCD.



Answer: _____

34. Sam is provided with an equilateral triangle (see figure 1).

Figure 1

His teacher asked him to tessellate the triangle such that the outline of the completed tessellation is as shown in figure 2.

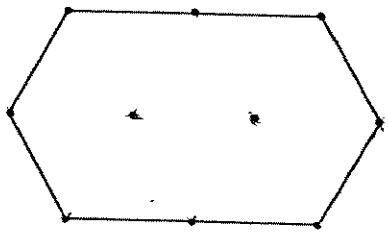


Figure 2

Draw on Figure 2 how he could tessellate the triangle to form the outline.

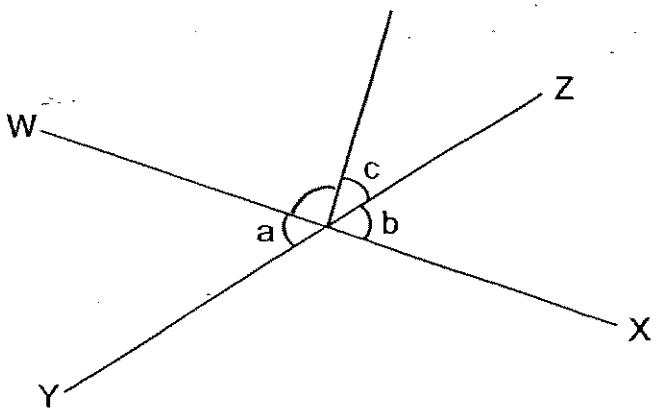
35. When 12 pails of water are poured into a tank, the tank is $\frac{3}{4}$ filled. What is the ratio of the capacity of 1 pail to the capacity of the whole tank?

Answer: _____

SECTION C - Problem Sums (50 MARKS)

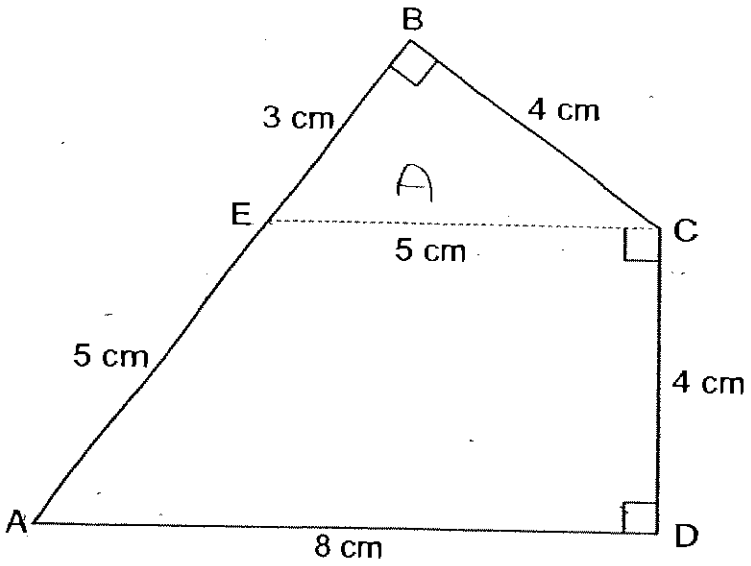
For each question from 36 to 48, show your working and mathematical statements clearly in the space below each question. Write your answer in the answer space provided. Give your answers in the units stated and in its simplest form whenever possible. Marks awarded are shown in the brackets [ ].

36. WX and YZ are straight lines. Given that $\angle a + \angle b = 130°$ and $\angle b + \angle c = 95°$. Find $\angle c$.



Answer: _____ [3]

37. The figure below shows a four-sided figure ABCD. AEB is a straight line. Find the area of the figure.



Answer: _____ [3]

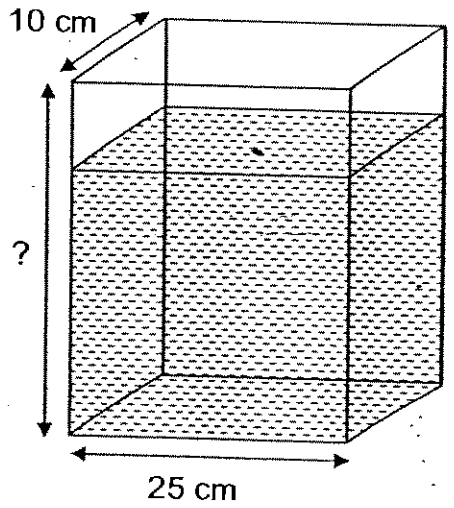
38. The ratio of the number of stamps that Alex has to the number of stamps that Daniel has is 7 : 6. The ratio of the number of stamps that Daniel has to the number of stamps that John has is 3 : 5. What is the ratio of the number of stamps that John has to the total number of stamps that the three boys have?

Answer: _____ [3]

39. If Jill buys 3 kg of durians, she will have $30.40 left. If she buys 5 kg of durians, she will have $18.80 left. How much money does Jill have?

Answer: _____ [3]

40. A rectangular container of length 25 cm and width 10 cm is $\frac{3}{4}$ filled will water. If the volume of water in the container is 6 000 cm^3, what is the height of the container?



Answer: _____[3]

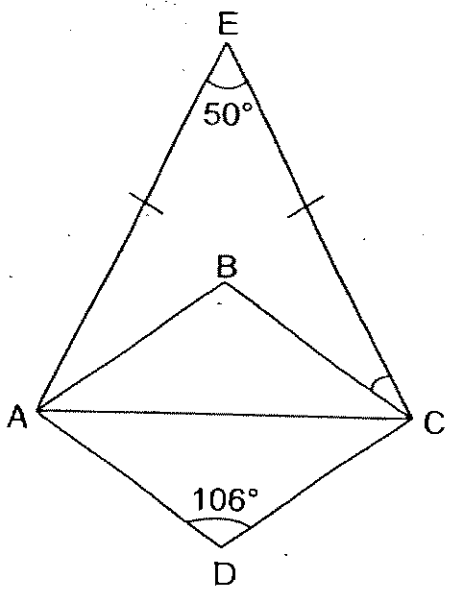
41. In a factory of 400 workers, 50% of the number of male workers is equal to 75% of the number of female workers. How many more male workers than female workers are there in the factory?

Answer: _____[4]

42. Andrew is 5 kg heavier than Bernard, and 7 kg heavier than Charles. The average mass of these 3 boys is 53 kg. Find the average mass of Bernard and Charles.

Answer: _____ [4]

43. In the figure below (not drawn to scale), ABCD is a rhombus. If AE = CE, find ∠BCE. You must show all workings and label the necessary angles in the figure.



Answer: ∠BCE = _____ [4]

44. $\frac{2}{5}$ of the coins in a container are 10¢ coins. The rest are 50¢ coins. The coins add up to be less than $70 but more than $65. Write down 2 possible values of the coins in the container.

Answer: _____ , _____ [4]

45. The patterns below are made up of sticks.

Pattern 1 Pattern 2 Pattern 3

(a) Find the number of sticks required to form Pattern 4.

Pattern	Number of sticks used
1	5
2	9
3	13
4	

(b) Find the number of sticks required to form Pattern 10.

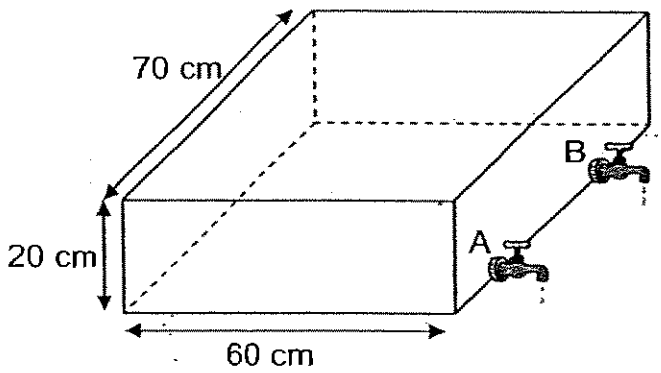
(c) 85 sticks are used to form a pattern. Which pattern was formed?

Answer: (a) _____ [1]

(b) _____ [1]

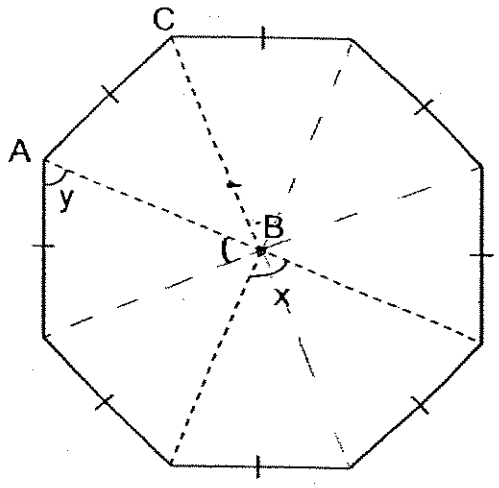
(c) _____ [2]

46. A rectangular tank 60 cm by 70 cm by 20 cm was filled to its brim with water. Tap A, which drained water out from the tank at 10 cm^3 per second, was turned on. After 15 minutes, Tap B, which drained water out at 30 cm^3 per second, was also turned on. How long did it take for 40% of the water to be drained out from the tank?
(Leave your answer in minutes and seconds).



Answer: _____ [5]

47. The figure below has 8 equal sides. Point B is the centre of the figure.



(a) Find $\angle x$.

(b) Find $\angle y$.

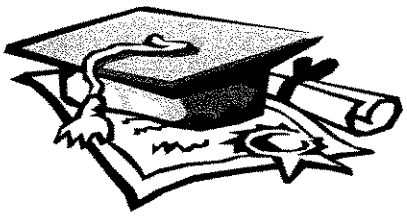
Answer: (a) _____[2]

(b) _____[3]

48. The number of Malvin's stamps to Ken's stamps was 2:3. After Malvin bought another 8 stamps and Ken lost 5 stamps, Malvin now has $\frac{4}{5}$ as many stamps as Ken. Find the total number of stamps the two boys had at first.

Answer: _____ [5]

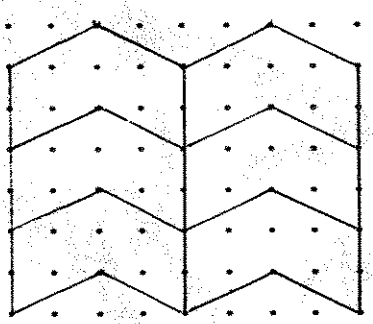
Setter: Mr Seow KY
Vetter: P5 Math teachers



ANSWER SHEET

ACS PRIMARY SCHOOL - PRIMARY 5 MATHEMATICS 2007
SEMESTRAL ASSESSMENT (2)

1. 2
2. 4
3. 4
4. 1
5. 2
6. 3
7. 2
8. 3
9. 4
10. 3
11. 2
12. 3
13. 2
14. 4
15. 2
16. 170
17.



18. 40cm2
19. 7
20. North
21. 4.71
22. 87.5%
23. 986
24. 72.5
25. 55

26) 83

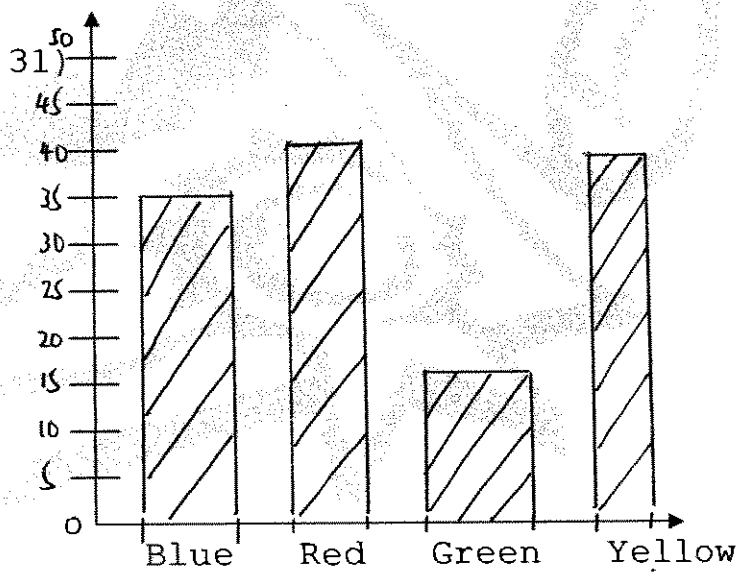
27) 6.15

28) 7/100x$200=$14
$200+$14=$214

29) 48x4=192
647-192=455
455÷7=65kg

30) 20x$10.50=$210
20x$9.20=$184
4x$7.50=$30
$210+$184+$30=$424

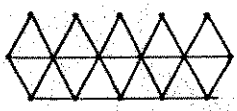
31)



32) 180° −100° =80°
80° ÷2=40°
180° −40° =140°
140° ÷2=70°

33) 46° x2=92°
180° −92° =88°

34)



35) 1:16

36) 180° −95° =85°
130° ÷2=65°
65° +85° =150°
180° −150° =30°
∠c is 30°

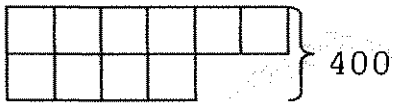
37) A→ ½ x4cmx3cm=6cm2
B→ ½ x8cmx4cm=16cm2
C→ ½ x5cmx4cm=10cm2
10cm2+16cm2+6cm2=32cm2
The area of the figure is 32cm2

38) J : T
10:23
The ratio is 10:23

39) $30.40-$18.80=$11.60
$11.60÷2=$5.80—1kg
$5.80x3=$17.40
$17.40+$30.40=$47.80
Jill has $47.80

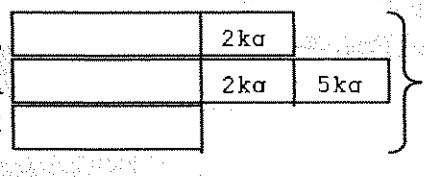
40) 6000/25x10=24
24÷3=8
8x4=32
The height is 32cm.

41)



400÷10=40
40x20=80
There are 80 female workers.

42)



2kgx2+5=9kg
159kg-9kg=150kg
150kg÷3=50kg
50kg+2kg=52kg
(52kg+50kg)÷2=102kg÷2=51kg
The average mass of Bernard and Charles is 51kg.

43)180° -50° =130°
130° ÷2=65°
180° -106° =74°
74° ÷2=37°
65° -37° =28°
∠BCE is 28°

44)$68, $69.70

45)a)17
b)41 stickers
c)Pattern 21 is Formed

46)60cmx20cmx70cm=84000cm3
40/100x84000cm3=33600cm3
15x60=900sec
900x10cm3=9000cm3
33600cm3-9000cm3=24600cm3
24600cm3÷40=615sec=25min 15sec
It will take 25min 15sec

47) a) $360° \div 8 = 45°$

$45° \times 2 = 90°$

$\angle X$ is $90°$

b) $180° - 45° = 135°$

$135° \div 2 = 67.5°$

48)

	M	:	K	
4	2	:	3	5
	+8		+5	

	10	:	12	
20	+40		+20	20

$40 + 20 = 60$

$60 \div 2 = 30$

$30 \times 5 = 150$

Tao Nan School
Primary 5 End-Of-Year Mathematics Examination 2007

Name : _____ ____ ____ ( ) Date : 26th October 2007

Class : P5 ( ) Time : 8.00 a.m. – 10.15 a.m.

Parent's Signature : _____ ____ ____ Marks : _____ / 100

SECTION A (20 marks)

Questions 1 to 10 carry 1 mark each. Questions 11 to 15 carry 2 marks each. For each question, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4). Shade the correct oval on the Optical Answer Sheet.

1) In 8 913 452, the digit 9 stands for _____.

(1) 9 000
(2) 90 000
(3) 900 000
(4) 9 000 000

2) Find the value of 7000 X 90 .

(1) 160 000
(2) 790 000
(3) 630 000
(4) 970 000

3) Which of the following is closest to 6 km?

(1) 6.19 km
(2) 5.91 km
(3) 6.009 km
(4) 5.908 km

4) Express 0.21 as a percentage.

(1) 21%
(2) 2.1%
(3) 0.21%
(4) 0.021%

5) The area of a rectangular field is 96 m². If the breadth is 8 m, find its length.

(1) 88 m
(2) 40 m
(3) 20 m
(4) 12 m

6) Which of the following is **not** a property of a parallelogram?

(1) There are two pairs of parallel lines.
(2) The opposite sides are of equal length.
(3) The sum of the interior angles is 270°
(4) The opposite sides are parallel.

7) 187 x 77 = 187 x _____ x 7.7

(1) 0.01
(2) 0.1
(3) 10
(4) 100

8) The average cost of 8 books is $6.40. What is the total cost of the books?

(1) $0.80
(2) $1.60
(3) $14.40
(4) $51.20

9) In a movie theatre, $\frac{5}{9}$ of the audience is men, $\frac{3}{4}$ of the remainder is women and the rest are children. What fraction of the audience is children?

(1) $\frac{4}{9}$

(2) $\frac{1}{3}$

(3) $\frac{1}{4}$

(4) $\frac{1}{9}$

10) There are 105 members in an art club. 60% of them are girls. How many boys are there?

(1) 65
(2) 45
(3) 63
(4) 42

12

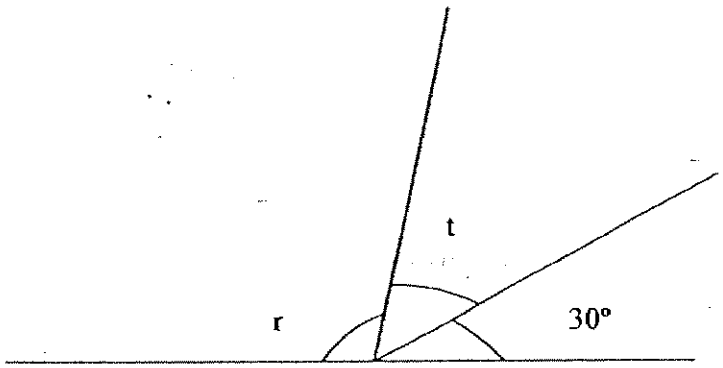
11) What is the value of 48 + (6 + 2 x 3) x 5 ?

(1) 10
(2) 20
(3) 38
(4) 120

12) In an egg farm, 5 out of every 45 eggs are spoilt. What is the ratio of the number of good eggs to the number of bad eggs?

(1) 1 : 9
(2) 9 : 1
(3) 1 : 8
(4) 8 : 1

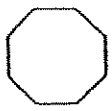
13) $\angle r$ is twice that of $\angle t$. Find the value of $\angle r$.



(1) 50°
(2) 75°
(3) 100°
(4) 150°

14) Which one of the following shapes can be tessellated?

(1)



(2)

(3)

(4)

15) Arrange the following fractions in ascending order.

$$\frac{6}{7}, \frac{11}{12}, \frac{3}{4}, \frac{14}{15}$$

(1) $\frac{3}{4}, \frac{6}{7}, \frac{11}{12}, \frac{14}{15}$

(2) $\frac{3}{4}, \frac{11}{12}, \frac{6}{7}, \frac{14}{15}$

(3) $\frac{14}{15}, \frac{11}{12}, \frac{6}{7}, \frac{3}{4}$

(4) $\frac{11}{12}, \frac{6}{7}, \frac{3}{4}, \frac{14}{15}$

Name: _____ _____( )
Primary 5 ( )

30

SECTION B (30 marks)

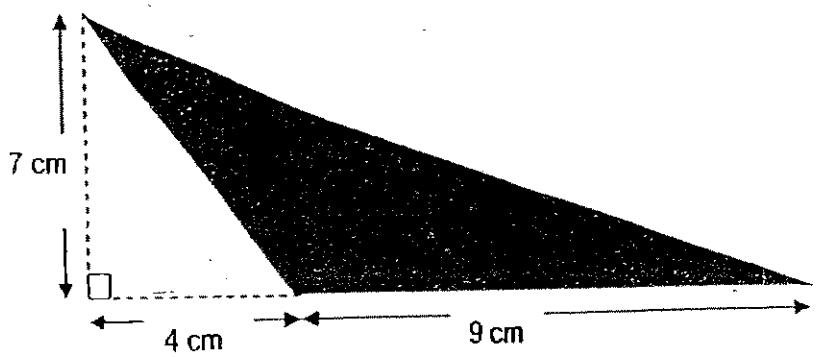
Questions 16 to 25 carry 1 mark each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

---

16) What is the value of 28 – (4 + 4) ÷ 2 x 3 ?

Ans: _____ ____

17) The triangle below is not drawn to scale. The area is _____ cm².



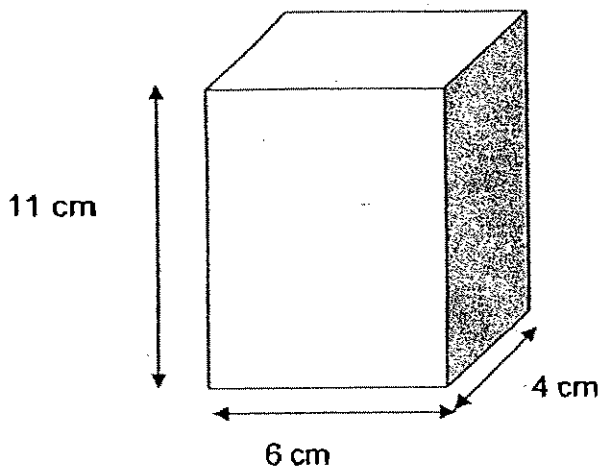
Ans: ____ _____cm²

18) Find the product of 0.808 and 20.

Ans: _____ _____

19) Alice cut a pizza into 13 equal slices. She then divided the slices equally among 5 children. How many slices of pizza did each child get? Express your answer in the simplest form.

20) What is the volume of the container below?

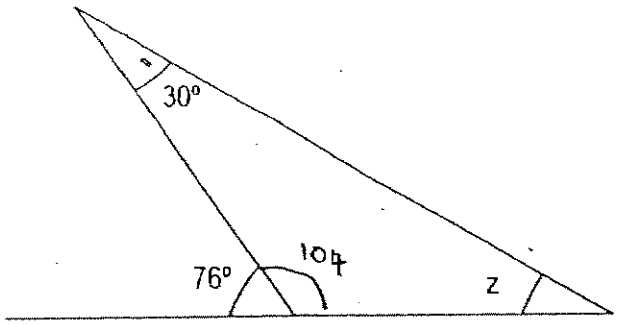


Ans: _____ cm^3

21) Find the average of these numbers: 4 , 48 , 66 and 102

Ans:

22) The figure below is not drawn to scale. Find ∠z.

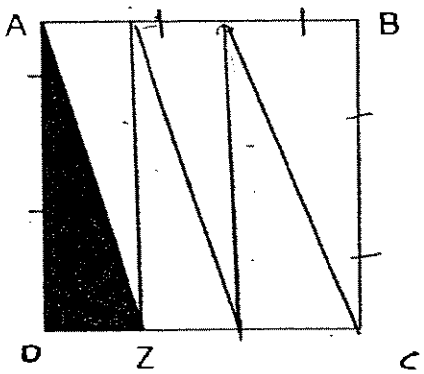


Ans: _____ °

23) Form the **largest possible even** number using the digits 1, 2, 7, 8 and 9.

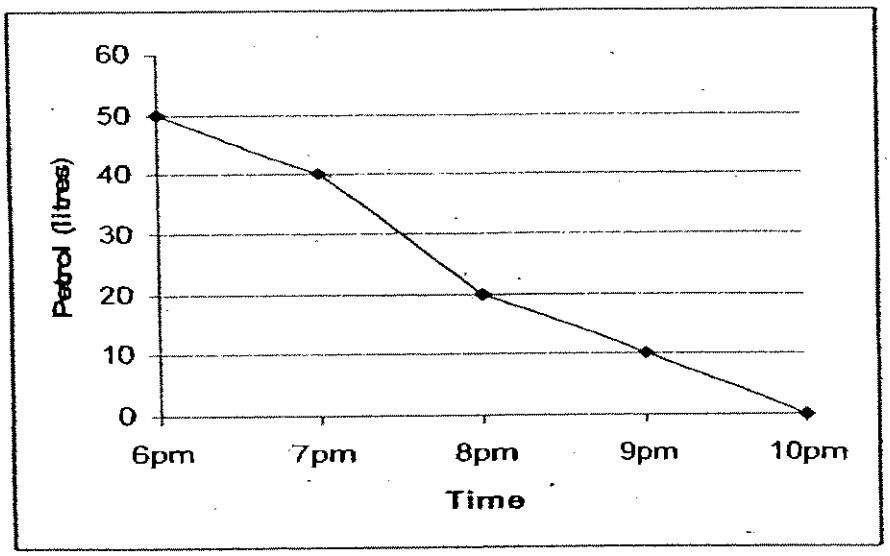
Ans: _____

24) ABCD is a square. The length of CD is 3 times that of ~~CZ~~ DZ.
What fraction of the square is shaded?



Ans: _____

25) The line graph below shows the amount of petrol in a car on a certain day. Study the graph and answer the question below.



From 6 to 7 pm, what is the amount of petrol used?

Ans: ___ _____ℓ

Questions 26 to 35 carry 2 marks each. Show your working clearly in the space below each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

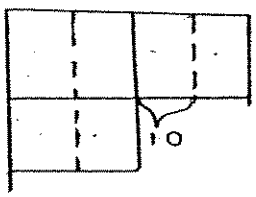
---

26) $99 \times 14 = 99 + 99 + 99 + 99 +$ _____ $\times 99$

The missing number in the blank is _____.

Ans: _____ _____

27) $\frac{3}{4}$ of a number is greater than $\frac{1}{2}$ of the number by 10.
What is the number?



Ans: _____

28) Rachel is 3 times as old as Liyana. What is the ratio of Rachel's age to Liyana's age?

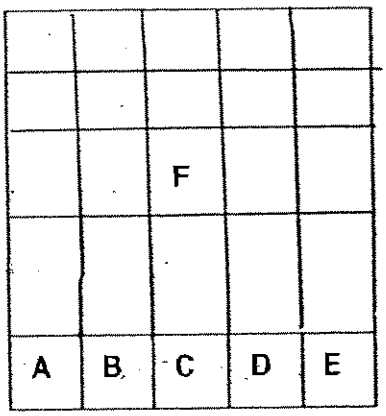
3:1

Ans: _____ _____

29) Halimah had 200 blue and yellow roses. 25% of the roses were blue. She then bought some more blue roses and the total number of roses is now 225. How many blue roses did she have now?

Ans: _____

30) The figure is made up of 6 squares A, B, C, D , E and F.
A, B, C, D and E are identical squares.
What fraction of the figure is A and B?



Ans: _____

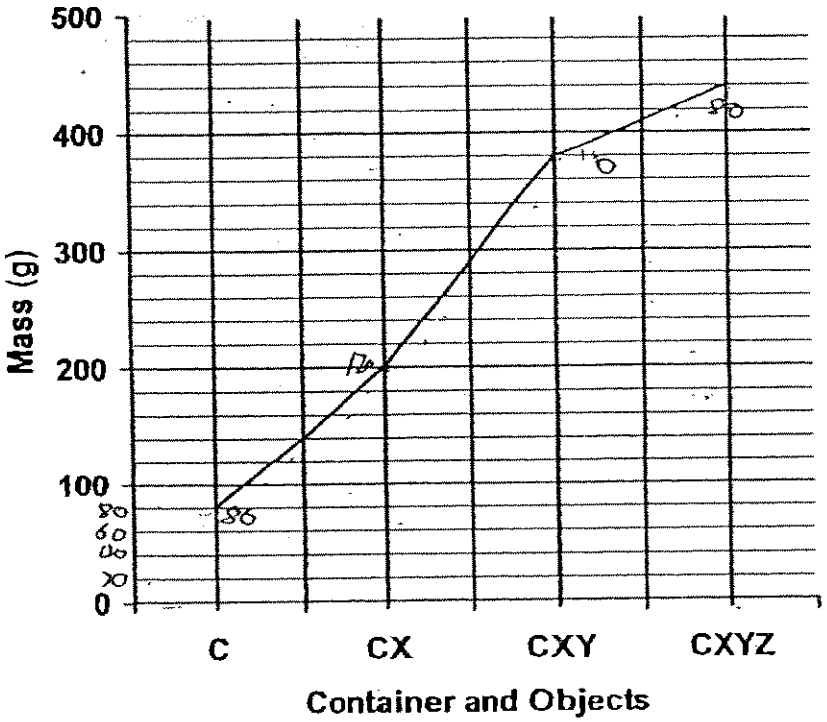
31) The time indicated on a clock is 3.05 a.m. Find the angle that the minute hand has to move through so that the time is 3.55 a.m.?

Ans: _____ _____°

32) A rectangular field has a perimeter of 96 m. The ratio of the length to the breadth is 5 : 3. Find the area of the field.

_____ _____ m^2

Study the graph below carefully and answer **Question 33.**



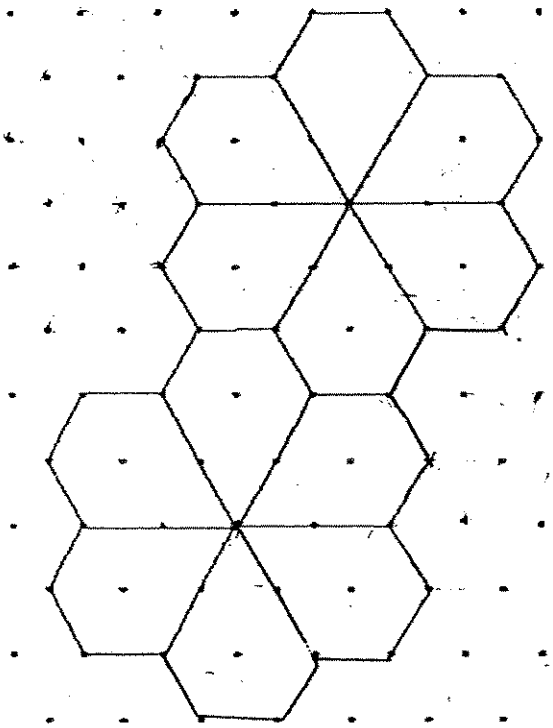
33) Three **objects, X, Y and Z** were placed in a Container C, one after another. The graph shows the mass of the container and objects. Name the object that is lighter than the container.

Ans: Object _____

34) The sum of P and Q is 128 while the sum of Q and R is 96. If the total sum of P, Q and R is 164, find the value of Q.

Ans: _____

35) The pattern below shows part of a tessellation. Extend the tessellation by drawing 5 more unit shapes in the space provided.



Name: _____ ( )
Class: Primary 5 ( )

50

SECTION C (50 marks)

For questions 36 to 48, show your working clearly in the space below each question and write your answers in the spaces provided.
The number of marks available is shown in the brackets ( ) at the end of each question or part-question.

---

36) A baking machine can bake 20 muffins in 10 minutes. At this rate, how long does this machine take to bake 48 muffins?

Ans: _____ (3m)

37) A book and 3 pens cost $11.25 . The book cost twice as much as a pen. Find the cost of 4 books.

Ans: _____ (3m)

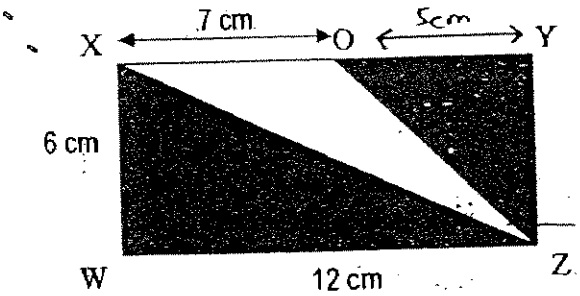
38) If Premila withdraws $150 from her savings account, she will have $450 left. What fraction of her savings should she withdraw so that she will have $75 left? (Express your answer in the simplest form.)

Ans: _____ (3m)

39) There are some pigs, cows and goats in a farm. The ratio of the number of pigs to the number of cows is 3 : 4 . The ratio of the number of cows to the number of goats is 2 : 3 . What is the ratio of the number of pigs to the total number of animals in the farm?

Ans: _____ (3m)

40) WXYZ is a rectangle. Find the area of the shaded part.

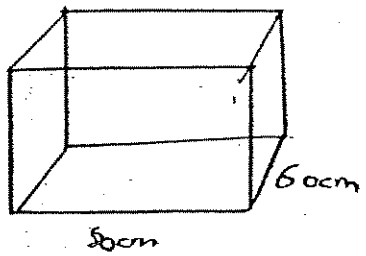


(3m)

41) Lily and Kumar had an equal number of marbles. After a game, Lily lost 20 of her marbles. Lily then had $\frac{1}{3}$ as many marbles as Kumar. How many marbles did each of them have at first ?

Ans: _____ (3m)

42) A rectangular fish tank 80 cm long and 60 cm wide is filled with water from a tap which flows at a rate of 3ℓ per minute. If the tap is turned off after 40 minutes, what is the height of the water level in the container?
(1ℓ = 1000 cm³).

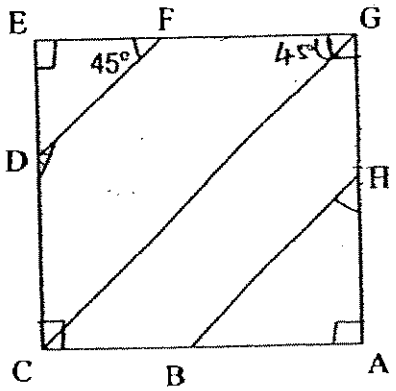


Ans: _____ (4m)

43) The ratio of Liling's money to Yingqi's money was 7 : 4 .
When Liling gave $100 to Yingqi, the ratio became 5 : 6 .
How much money did Liling have at first?

Ans: _____ (4m)

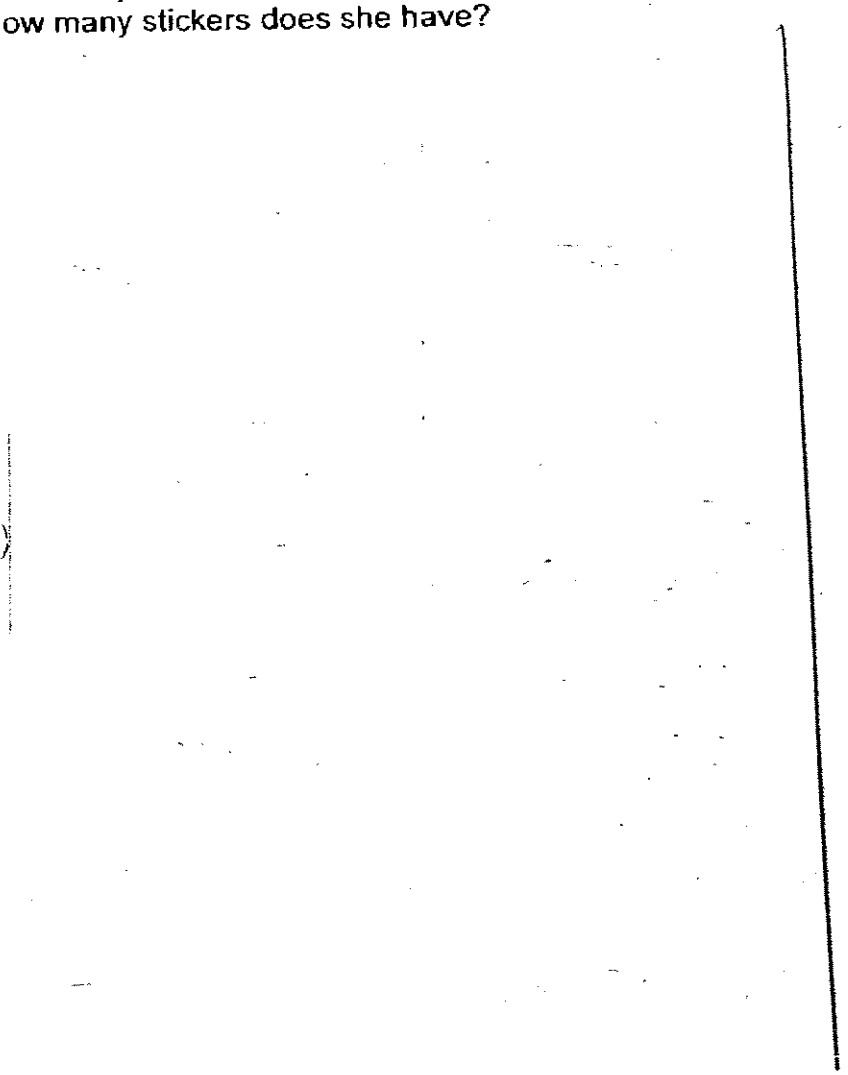
44) ACEG is a square, not drawn to scale.
Lines DF, CG and BH are parallel lines. ∠ EFD is 45° .
Calculate (a) ∠ CDF
(b) ∠ AHB



Ans: a)_____ (2m)

b)_____ (2m)

45) Kate has some stickers. If she gives her friends 7 stickers each, she will have 3 stickers left. If she gives them 8 stickers each, she will be short of 6 stickers.
(a) How many friends does she have?
(b) How many stickers does she have?



Ans: a)_____ (3m)

b)_____ (2m)

46) The table below shows the rates of charges for water consumption.

First 5 m^3	\$1.50 per m^3
Next 5 m^3	\$1.75 per m^3
Every additional 1 m^3 or part thereof	\$2.00 per m^3

(a) In the month of June, Family A used 18 m^3 of water.
How much did Family A pay for their water bill?

(b) Family A's water bill for July was \$48.25 .
How much water was used?

Ans: a)_____ (2m)

b)_____ (3m)

47) Kathy had some pocket money. From the pocket money, she spent $35 on food and $65 on transport. After that, she spent $\frac{2}{7}$ of the remaining money on 5 books. As for the rest of her money, she gave $\frac{2}{5}$ of it to her cousin and had $75 left.

(a) How much did each book cost?

(b) How much money did she have at first?

Ans: a)_____ (3m)

b)_____ (2m)

48) There are some eggs in 3 baskets, A, B and C. 20% of the number of eggs in A is equal to 10% of the number of eggs in B.
The number of eggs in C is equal to 50% of the total number of eggs in A and B.

(a) Express the number of eggs in C as a fraction of the number of eggs in B. (Leave your answer in its simplest form.)

(b) If half of the eggs in B are taken out and placed into C, there will be 50 eggs in C. How many eggs are there in the 3 baskets?

Ans: a)_____ (2m)

b)_____ (3m)

~ End-of-Paper ~

ANSWER SHEET

TAO NAN PRIMARY SCHOOL - PRIMARY 5 MATHEMATICS 2007
SEMESTRAL ASSESSMENT (2)

1. 3
2. 3
3. 3
4. 1
5. 4
6. 3
7. 3
8. 4
9. 4
10. 4
11. 2
12. 4
13. 3
14. 2
15. 1
16. 16
17. $31\frac{1}{2}$
18. 16.160
19. $2\frac{3}{5}$
20. 264cm3
21. 55
22. 46°
23. 98712
24. 1/6
25. 10
26. 10
27. 40
28. 3:1
29. 75
30. 1/15

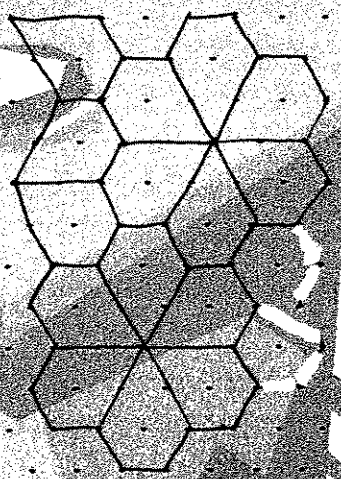
31) 300

32) 540m2

33) 2

34) 60

35)



36) 20÷10=2
1min→2 muffins
48÷2=24
It will take this machine 24 minutes.

37) 5 pens=$11.25
$11.25÷5=$2.25
$2.25x2=$4.50
$4.50x4=$18.00
The cost of 4 books is $18.00

38) 450+150=600
600-75=525
525/600=7/8
She must draw 7/8 of her savings.

39) 2:3 (x2)
4:6
P:C:G
=3:4:6
3+4+6=13
The ratio is 3:13

40) 12-7=5
12x6=72
½x6x12=36
½ x5x6=15
36+15=51
The area of the shaded part is 51cm2

41) K
L
20
20÷2=10
10x3=30
Each of them had 30 marbles.

42) 80x60=4800
3000x40=120000
120000÷4800=25
The height is 25cm.

43) $100→2
100÷2=50
50x7=350
Liling has $350 at first.

44) a) 90° +45° =135°
∠CDF is 135
b) 90° -45° =45°
∠AHB is 45°

45) a) 6+3=9
She has a 9 friends.
b) 9x7=63
63+3=66
She has 66 stickers.

46) a) $1.50x5=$7.50
$1.75x5=$8.75
18-10=8
$2.00x8=$16.00
$16.00+$8.75+$7.50=$32.25
Family A paid $32.25

b) $48.25-$32.25=$16.00
16÷2=8
18+8=26
26cm³ of water was used.

47) a) 7/7-2/7=5/7
5/5-2/5=3/5
175÷3=25
125=5/7
25x2=50
50÷5=10
Each book costs $10
b) 25x7=175
175+65=240
240+35=275
She had $275 at first.

48) a) The fraction is ¾
b) 20÷2=10
15+10=25
50÷25=2
2x45=90
There are 90 eggs.

METHODIST GIRLS' SCHOOL (Primary)
End-Of-Year Examination 2007
Primary 5

Mathematics

Booklet A

Name: _____ ( )

Class: P 5._____

Total time for Booklets A, B1 and B2: 2h 15 min

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.

FOLLOW THE INSTRUCTIONS CAREFULLY.

ANSWER ALL QUESTIONS.

639

Questions **1** to **10** carry 1 mark each. Questions **11** to **15** carry 2 marks each. For each question, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4). Shade the oval (1, 2, 3 or 4) on the Optical Answer Sheet.

(20 marks)

1. What is the missing number in the blank?

   24 856 = 20 000 + 4 000 + 800 + 50 + 6

   (1) 80
   (2) 800
   (3) 8 000
   (4) 80 000

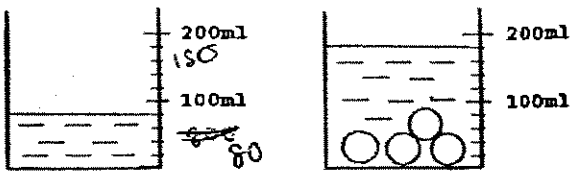
2. Evaluate (92 – 68 ÷ 4) – 15 × 3

   (1) 30
   (2) 39
   (3) 86
   (4) 180

3. What is the average of all the even numbers from 1 to 10?

   (1) 5
   (2) 5.5
   (3) 6
   (4) 15

4. Janet poured some water into a beaker.
   She then added 4 identical marbles into it.
   Find the volume of 1 marble. ($1ml = 1cm^3$)



   (1) 25 cm^3
   (2) 80 cm^3
   (3) 100 cm^3
   (4) 180 cm^3

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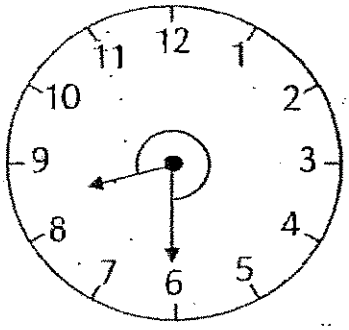
5. A printer took 3 hours to print 270 copies.
The same printer printed 160 copies in the next 2 hours.
Find the average number of copies the printer printed in 1 hour.

(1) 86
(2) 90
(3) 170
(4) 226

6. The time shown below is 8.30 a.m. The larger angle formed by the hour and minute hands is between _____.



(1) 0° and 90°
(2) 90° and 180°
(3) 180° and 270°
(4) 270° and 360°

7. Lily has 60 stamps. Meiling has 24 more stamps than Lily.
The ratio of the number of stamps that Lily has to the number of stamps that Meiling has is _____.

(1) 2 : 5
(2) 5 : 2
(3) 5 : 7
(4) 7 : 5

8. Joanne reads an average of 25 pages of a book in 1 day.
How many pages will she read in 2 weeks?

(1) 50
(2) 175
(3) 250
(4) 350

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9. A machine can fill 450 bottles of soft drinks in 5 minutes.
How many bottles of soft drinks can it fill in 3 minutes?

(1) 90
(2) 180
(3) 270
(4) 360

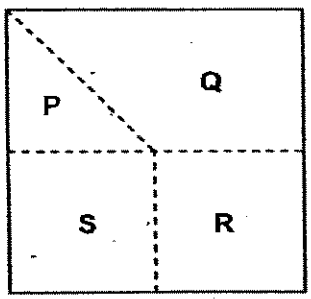
10. There were 15 girls and 25 boys in a club.
If 10 more girls joined the club, what percentage of the children in the club are girls?

(1) 30%
(2) 37.5%
(3) 50%
(4) 62.5%

11. Janice has $48. Hillary has $16 more than Janice.
Devi has twice as much money as Hillary.
How much money do they have altogether?

(1) $144
(2) $180
(3) $208
(4) $240

12. The figure below is a square made up of four parts, P, Q, R and S.
R and S are squares and each is $\frac{1}{4}$ of the figure.



Which of the following two parts will add up to $\frac{3}{8}$ of the figure?

(1) P and Q
(2) P and S
(3) Q and R
(4) R and S

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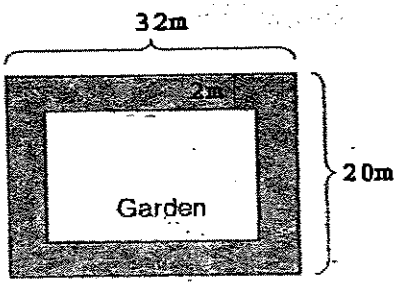
13. The table shows the parking charges at a car park.

Parking Charges	
For the first hour	\$2.00
For every additional $\frac{1}{2}$ hour	\$1.50

Mrs Lim parked her car from 9.00 a.m. to 11.30 a.m.
How much did she pay?

(1) \$ 3.50
(2) \$ 5.50
(3) \$ 6.00
(4) \$ 6.50

14. The garden below is surrounded by a 2-m footpath. Find the area of the garden.



(1) 448 m^2
(2) 540 m^2
(3) 600 m^2
(4) 640 m^2

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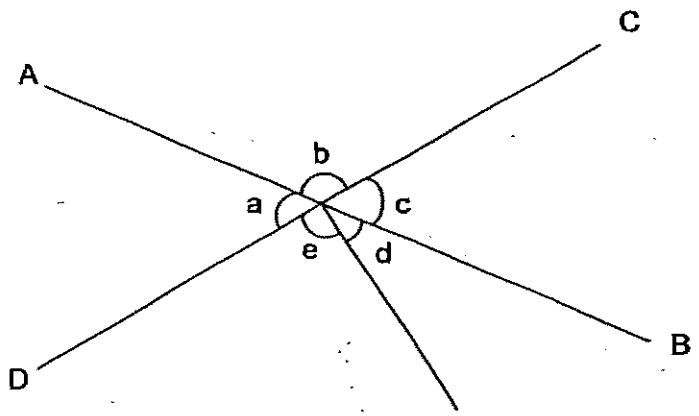
15. AB and CD are straight lines.
Which angle is equal to ∠ a?



(1) ∠ b
(2) ∠ c
(3) ∠ d
(4) ∠ e

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METHODIST GIRLS' SCHOOL (Primary)
End-Of-Year Examination 2007
Primary 5

Mathematics

Booklet B1

Name: _____ ( )

Class: P 5. _____

Booklet B1 (30)	

Total time for Booklets
A, B1 and B2: 2h 15 min

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.

FOLLOW THE INSTRUCTIONS CAREFULLY.

ANSWER ALL QUESTIONS.

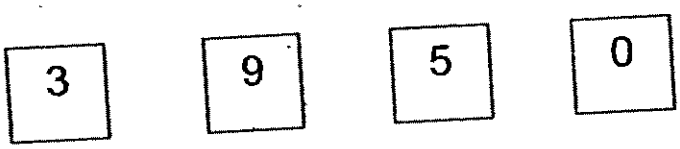
Get a Tutor to go through the Papers http://www.yestution.sg

Questions **16** to **25** carry 1 mark each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (10 marks)

16. What is seven million and sixteen thousand written in numerals?

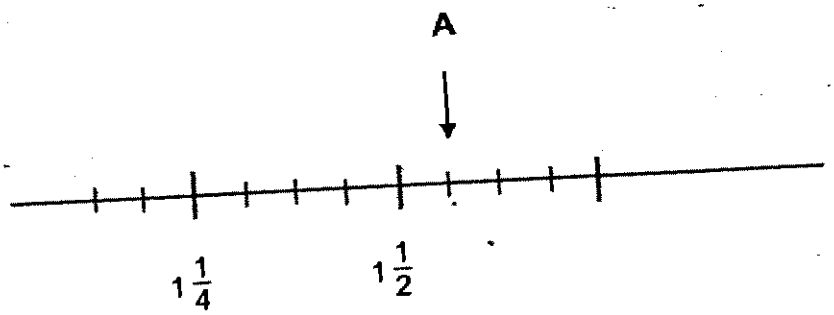
Ans: _____

17. Use the following digits to form the smallest four-digit whole number that is divisible by 5.



Ans: _____

18. What is the fraction represented by A?



Ans: _____

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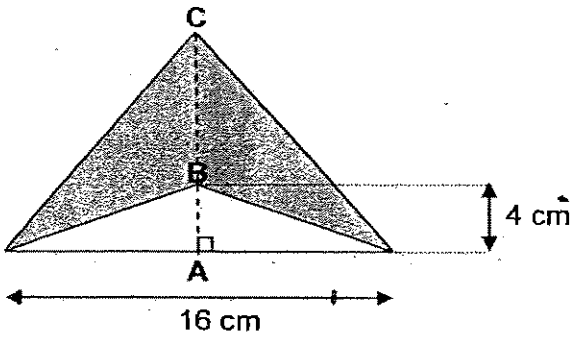
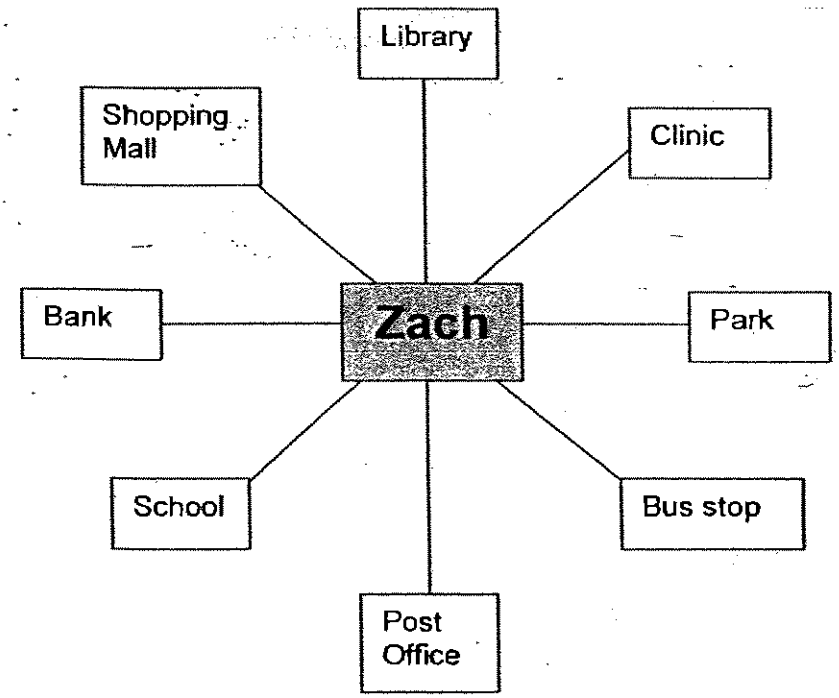
19. The length of BC is twice that of AB.
Find the area of the shaded region.



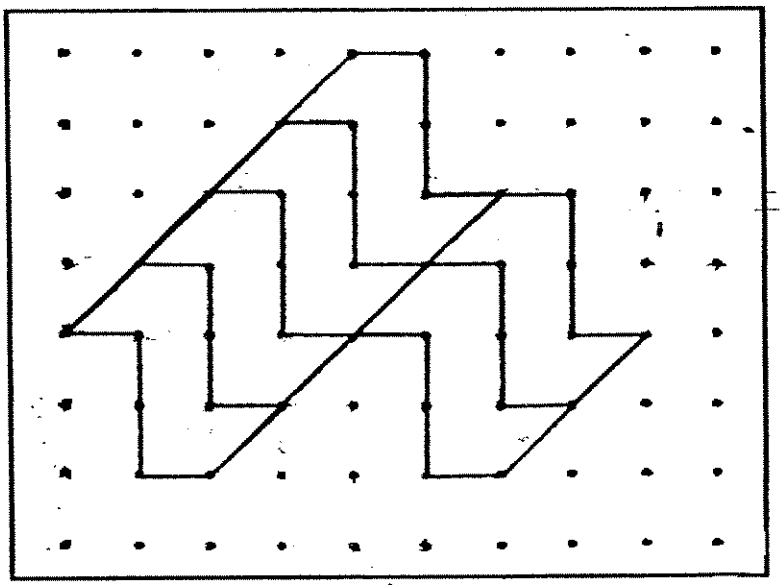
Ans: _____ ~~cm²~~

20. If Zach turns 225° anti-clockwise, he will be facing the Park.
Where is he facing now?

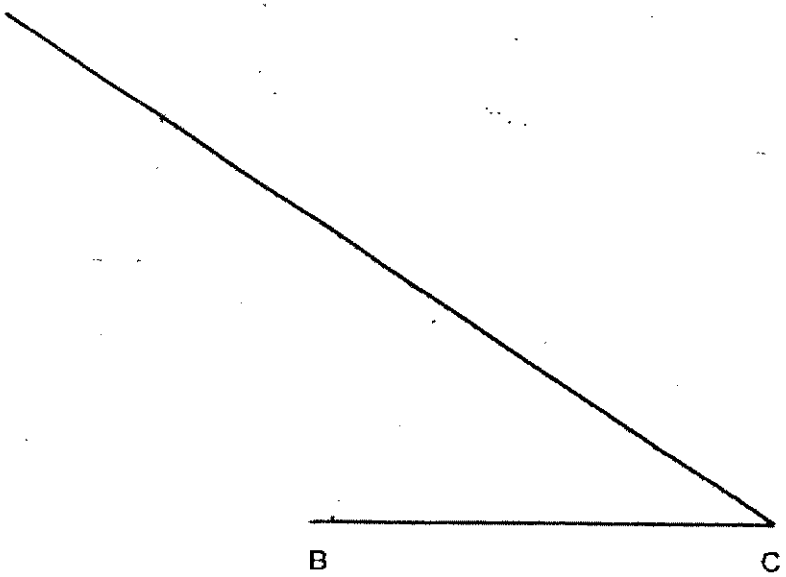


Ans: _____

21. The pattern in the box shows part of a tessellation.
Extend the tessellation by drawing <u>two</u> more unit shapes in the space provided in the box.



22. In the space below, draw triangle ABC in which ∠ ABC is 110°.



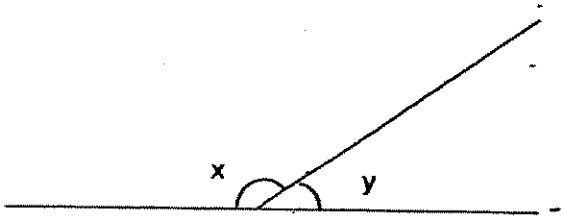
23. Divide 7.212 by 12.

Ans: _____

24. Three boys shared $\frac{6}{7}$ of a pizza.
What fraction of the pizza did each boy get?

Ans: _____

25. The figure below is not drawn to scale.
$\angle x$ is three times $\angle y$.
Find $\angle x$.



Ans: _____ °

Questions **26** to **35** carry 2 marks each. Show your working clearly in the space below each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

(20 marks)

---

26. Mrs Lim has some sweets for her class.
If she gives each pupil 3 sweets, she will have 5 extra sweets.
If she gives 5 sweets to each pupil, she will need 45 more sweets.
How many pupils are there in Mrs Lim's class?

Ans: _____

27. Mary is 12 years old and her mother is 46 years old this year.
How many years later will Mary's mother be 3 times as old as she?

Ans: _____ years

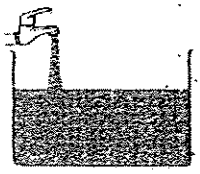
28. $\frac{1}{2}$ of a number is 48.

What is $\frac{7}{8}$ of the number?

Ans: _____

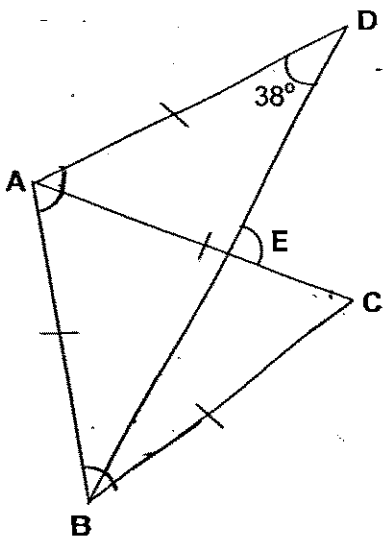
29. A tap can fill $\frac{1}{4}$ of a tank in 6 minutes.

How long will it take to fill 3 similar tanks?



Ans: _____min

30. ABC is an equilateral triangle and AC = AD. Find ∠ DEC.



Ans: _____°

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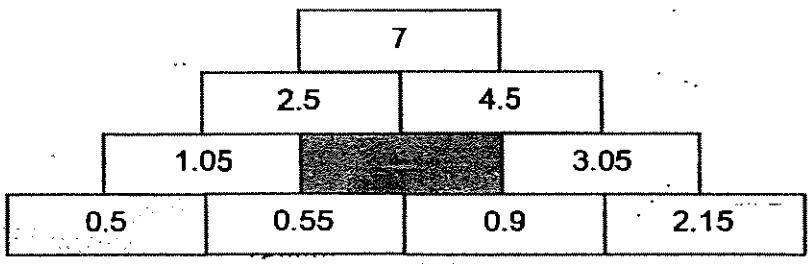
31. The ratio of the number of Malay books to the number of Chinese books in a library is 1 : 4.
The ratio of the number of Chinese books to the number of English books is 2 : 5.
How many books are there altogether if there are 270 more English books than Malay books in the library?

Ans: _____

32. What is the number in the shaded box?



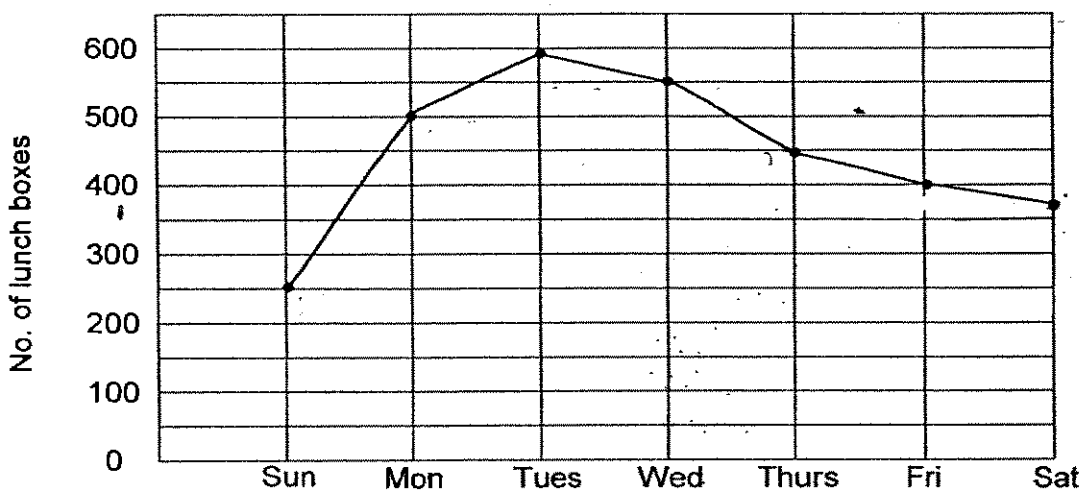
Ans: _____

33. After a 10% discount, the selling price of a watch was $117.
What would be the selling price if the discount had been 20% instead?

Ans: $_____

The graph below shows the number of lunch boxes sold in a Japanese fast food shop in a week.

Study the graph carefully and answer questions 34 and 35.



34. On which day was the number of lunch boxes sold twice as many as the number sold on Sunday?

Ans: _____

35. What would the total collection for Saturday be if each lunch box was sold at $6.50?

Ans: $ _____

METHODIST GIRLS' SCHOOL (Primary)
End-Of-Year Examination 2007
Primary 5

Mathematics

Booklet B2

Name: _____ ( )

Class: P 5. _____

Total time for Booklets
A, B1 and B2: 2h 15 min

Booklet A (20)	
Booklet B1 (30)	
Booklet B2 (50)	
Total: (100)	

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.

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ANSWER ALL QUESTIONS.

Get a Tutor to go through the Papers http://www.yestuition.sg

For questions **36** to **48**, show your working clearly in the space provided for each question and write your answers in the spaces provided.
The number of marks available is shown in the brackets [ ] at the end of each question or part-question. (50 marks)

36. Lina spent $\frac{1}{2}$ of her money to buy a dress and $\frac{1}{3}$ of the remaining amount to buy a bag. She then had $56 left. How much money did she have at first?

Ans: _____ [3]

37. The ratio of Tom's money to Paul's money was 4 : 3 at first.
After Tom spent $140, the ratio of Tom's money to Paul's money became 2 : 5.
How much money did Tom have at first?

Ans: _____ [3]

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38. Siti spilled some coffee on her results slip. Her average mark for the three subjects is 86.
What can be the **largest difference** between her English and Mathematics marks?

Results Slip

English	**8**
Mathematics	**7**
Science	**9 2**

Ans: _____ [3]

39. A car travels 36 km on 3 litres of petrol. The cost of petrol is $1.60 per litre.
How much does a motorist have to pay for petrol if he wants to travel 240 km?

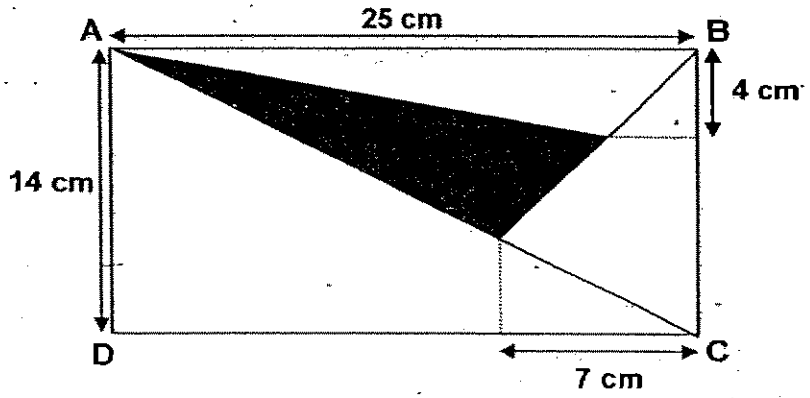
Ans: _____ [3]

Get a Tutor to go through the Papers http://www.yestuition.sg

40. Lisa put 19 oranges in bag A, 24 oranges in bag B, 15 oranges in bag C and 80 oranges in bag D. Cindy added an equal number of apples into each of the bags. As a result, bag D contained the same number of fruits as the total number of fruit in bags A, B and C.
How many apples did Cindy put into each bag?

Ans: _____[3]

41. ABCD is a rectangle.
Find the area of the shaded part



Ans: _____[4]

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Get a Tutor to go through the Papers http://www.yestuition.sg

42. A tank measuring 30 cm by 20 cm by 27 cm contained 9.675 litres of water. When 9 cubes of the same size were placed into the tank, the water level rose to $\frac{2}{3}$ the height of the tank (as shown in figure A).
Find the length of each cube.

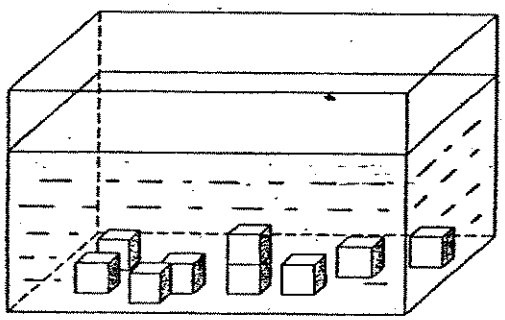

Figure A

Ans: _____ [4]

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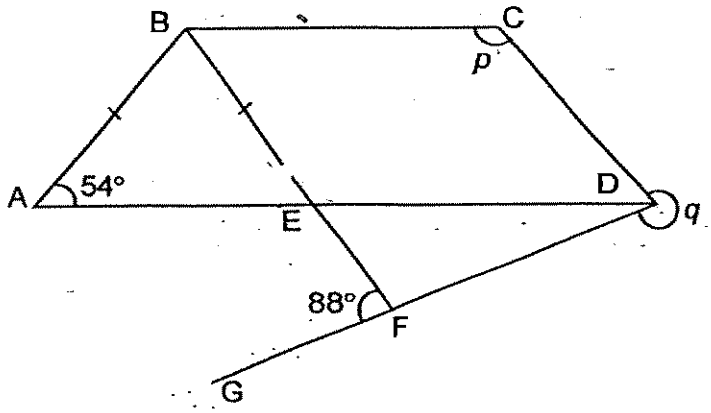
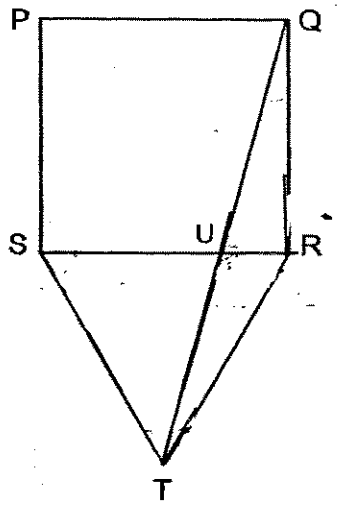
43. The figure below is not drawn to scale.
BCDE is a parallelogram. AB = BE.
AED, BEF and DFG are straight lines.
Find $\angle p$ and $\angle q$.



Ans: $\angle$ p = _____ [2]

$\angle$ q = _____ [2]

44. In the diagram below, not drawn to scale,
PQRS is a square and RST is an equilateral triangle.
Find ∠ QUR.



Ans: _____ [4]

45. Jie Min paid $13.45 for some pencils and erasers.
Each pencil cost $0.65 and each eraser cost $0.40 less.
How many pieces of erasers did she buy if there were 11 more pencils than erasers?

Ans: _____ [4]

46. The price of tickets to a concert is shown below.

Adult	$25
Child	$11

A group of 85 people paid a total of $1 355 to attend the concert.
How many children attended the concert?

Ans: _____ [5]

47. Sandy had some sweets. She kept $\frac{1}{2}$ of the sweets plus 7 sweets.
She then gave the remaining sweets to Betty.
Betty kept $\frac{1}{2}$ of her sweets plus 8 sweets and gave the remainder to Pauline.
Pauline ate $\frac{1}{4}$ of her share and found that she had 15 sweets left.
(a) How many sweets did Pauline have?
(b) How many sweets did Sandy have at first?

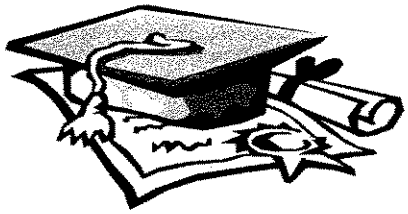
Ans: a) _____ [2]

b) _____ [3]

48. Free gifts were being given out at a departmental store.
10% of the gifts were claimed on Wednesday.
The number of gifts claimed on Thursday was 6 more than the gifts claimed on Wednesday.
The number of gifts claimed on Friday was $\frac{2}{3}$ of those claimed on Saturday.
$\frac{4}{25}$ of the gifts were claimed on Sunday.
If 54 gifts were claimed on Saturday, how many free gifts were claimed in total?

Ans: _____ [5]

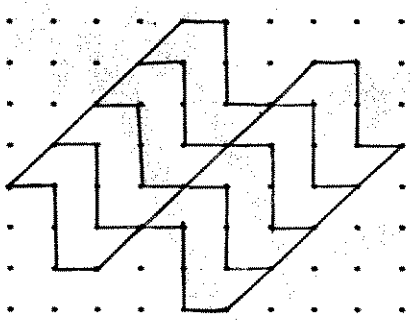
☆ End of Paper ☆
Please check your work.



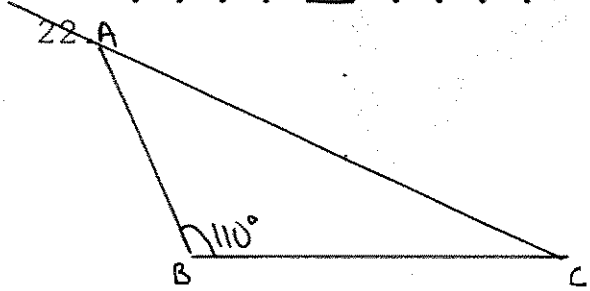
ANSWER SHEET

M G S PRIMARY SCHOOL - PRIMARY 5 MATHEMATICS 2007
SEMESTRAL ASSESSMENT (2)

1. 2
2. 1
3. 3
4. 1
5. 1
6. 4
7. 3
8. 4
9. 3
10. 3
11. 4
12. 2
13. 4
14. 1
15. 2
16. 7016000
17. 3095
18. $1\frac{9}{16}$
19. 64cm2
20. shopping mall
21.



22.



23) 0.061
24) 2/7
25) 135°
26) 25 pupils
27) 5 years
28) 84
29) 72min
30) 82°
31) 450 books
32) 1.45
33) $104
34) Monday
35) $2437.50

42) 2/3x27=18
30x20x18=10800
10800-9675=1125
1125÷9=125
5x5x5=125
The length is 5cm

43) ∠P=180° -54° =126°
∠P=126°
∠CDF=88°
∠q=360° -88°
=272°

44) 90+60=150
180-150=30
30÷2=15
90-15=75
The angle is 75°

45) Pencil→$0.65
Eraser→$0.25
0.65x11=7.15
13.45-7.15=6.30
0.25+0.65=0.90
630÷90=7
There are 7 erasers.

46) 85x11=935
1355-935=420
25-11=14
420÷14=30
85-30=55
55 children paid to
Watch the concert.

47) a) 15÷3=5
5x4=20 (P)
Pauline had 20 sweets
b) 20+8=28
28x2=56
56+7=63
63x2=126
Sandy had 126 sweets

48) Wed→10%
Thurs→10%+6
Fri→2/3+54=36
Sat→54
Sun→16%
100%-10%-10%-16%=64%
64%-->6+36+54=96
100%-->96/64x100=150
150 gifts were claimed

AI TONG SCHOOL

2007

SEMESTRAL ASSESSMENT 2

PRIMARY 5

MATHEMATICS

DURATION : 2 h 15 min

DATE : 25 OCT 2007

INSTRUCTIONS

Do not open the booklet until you are told to do so.
Follow all instructions.
Answer all questions.

Name _____ ( )

Class : Primary 5_____ **Marks:** 100

Parent's Signature : _____

Date : _____

667

Booklet A

Questions 1 to 10 carry 1 mark each. Questions 11 to 15 carry 2 marks each.
For each question, four options are given. One of them is the correct answer.
Make your choice (1, 2, 3 or 4). Shade the oval (1, 2, 3 or 4) on the Optical Answer Sheet. (20 marks)

---

1. Which one of the following is the best estimate for 85 x 573?

   (1) 80 x 500
   (2) 80 x 600
   (3) 90 x 500
   (4) 90 x 600

2. What is the **quotient** when 3267 is divided by 16?

   (1) 24
   (2) 54
   (3) 204
   (4) 544

3. Marie had $\frac{7}{10}$ m of wire. She cut it into 5 equal pieces. What was the length of each piece of wire?

   (1) $\frac{7}{50}$ m

   (2) $\frac{2}{7}$ m

   (3) $3\frac{1}{2}$ m

   (4) $5\frac{7}{10}$ m

668

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4. Express 6 months as a fraction of 2 years.

(1) $\frac{1}{6}$

(2) $\frac{1}{4}$

(3) $\frac{1}{3}$

(4) $\frac{1}{2}$

5. The value of $\frac{5}{100} + \frac{1}{10} + \frac{6}{1000}$ to the nearest hundredth is _____.

(1) 0.01
(2) 0.16
(3) 0.012
(4) 0.156

6. There are 40 pupils in Class 5A. 18 of the pupils wear spectacles. What percentage of the pupils in Class 5A **does not** wear spectacles?

(1) 9%
(2) 45%
(3) 55%
(4) 82%

7. Jack and his cousin had 465 marbles each. Jenny had 330 marbles while her sister had none. Find the average number of marbles of the children.

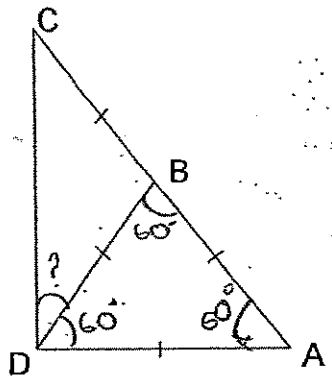
(1) 265
(2) 315
(3) 398
(4) 420

669

8. Mr Vellu had to take a pill 4 times a day. He had a bottle containing 196 pills. How many weeks would he take to finish all the pills?

(1) 7
(2) 49
(3) 112
(4) 784

9. In the figure not drawn to scale, ABD is an equilateral triangle. ABC is a straight line and BC = BD. Find ∠ BDC.



(1) 15°
(2) 30°
(3) 60°
(4) 120°

10. The volume of a 8 cm cube is _____.

(1) 24 cm^3
(2) 64 cm^3
(3) 192 cm^3
(4) 512 cm^3

11. 2 similar watches cost $33 less than 3 similar pens. If the pens cost $45 each, find the cost of each watch.

(1) $6
(2) $39
(3) $51
(4) $84

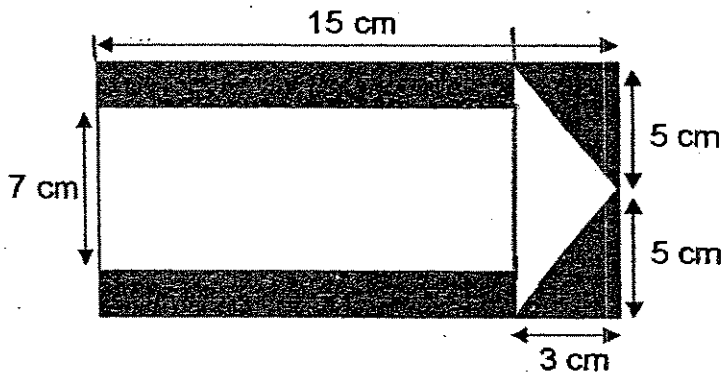
12. Danny spent $\frac{2}{5}$ of his money on a bag and $\frac{1}{3}$ of the remainder on some snacks. What percentage of his money had he left?

(1) 13%
(2) 20%
(3) 40%
(4) 60%

13. There were 780 people in a cinema. After $\frac{1}{2}$ of the women and 150 men left the cinema, the ratio of the number of men to that of women became 1 : 3. Find the number of men in the cinema at first.

(1) 90
(2) 240
(3) 270
(4) 336

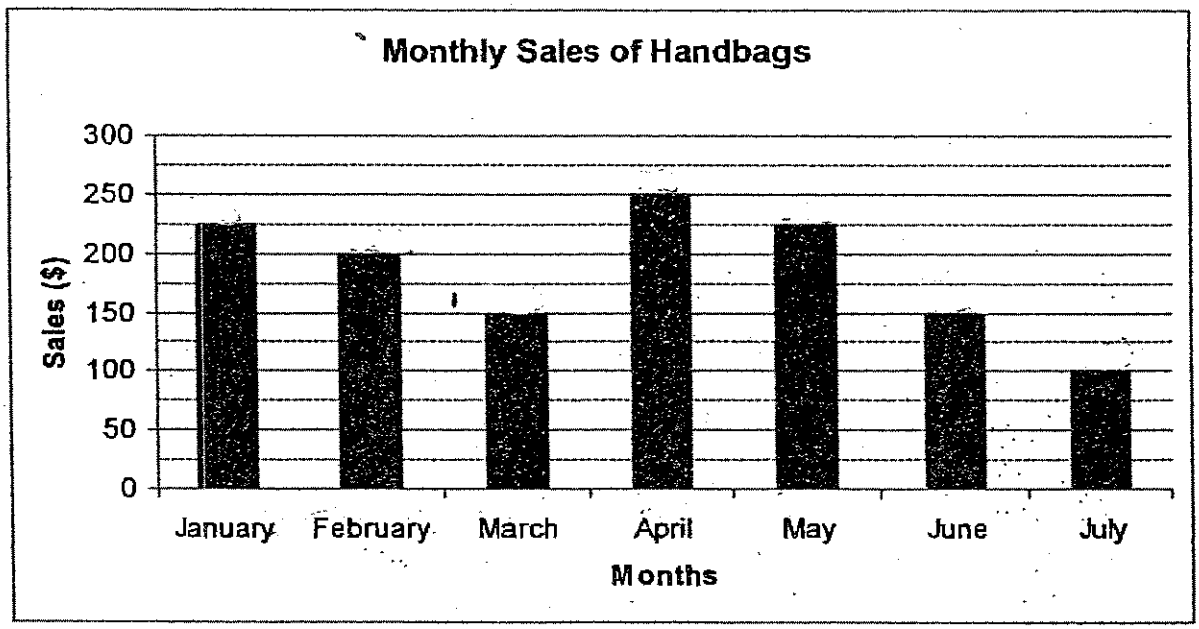
14. The figure below is not drawn to scale. What **percentage** of the figure is shaded?



(1) 24%
(2) 34%
(3) 51%
(4) 66%

671

15. The bar graph below shows the monthly sales of handbags in a shop.



In which month was the decrease in sales of handbags the greatest as compared with the previous month?

(1) March
(2) April
(3) May
(4) June

672

Name: _____ ( )

Class: Primary 5 _____

Booklet B

Questions 16 to 25 carry 1 mark each.
Questions 26 to 35 carry 2 marks each.
Show your working clearly in the space below each question and write your answers on the blanks provided. For questions which require units, give your answers in the units stated. (30 marks)

16. In 542.603, which digit is in the tenths place?

Ans: _____

17. Find the value of 567 x 28

Ans: _____

18. Evaluate $7\frac{1}{8} - \frac{1}{4}$

Ans: _____

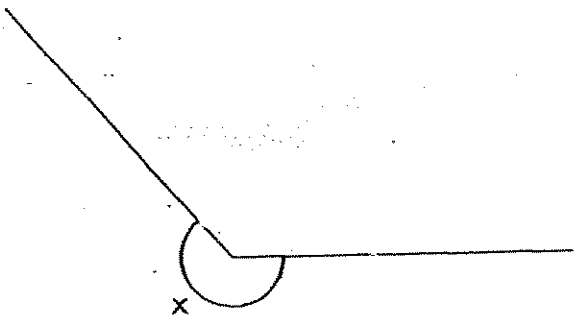
3

673

19. At a party, the ratio of the number of parents to boys was 7 : 4. The ratio of the number of boys to the number of girls was 2 : 5. Find the ratio of the number of parents to the number of girls. Express your answer in the simplest form.

Ans: _____

20. Using a protractor, measure ∠ **x** in the figure below.



Ans: _____

21. 10 exercise books weigh as heavy as 3 workbooks. If each exercise book weighs 41.4 g, find the mass of 1 workbook.

Ans: _____ g

674

3

22. 140% of a number is 84. Find the number.

Ans: _____

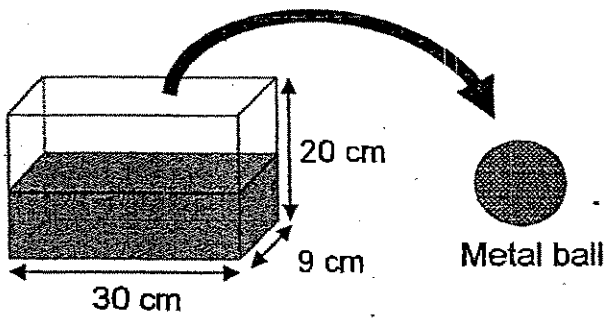
---

23. The total cost of 5 blue dresses is $128 and 3 red dresses cost $48 each. What is the average cost of the 8 dresses?

Ans: $ _____

---

24. When the metal ball is taken out from the container below, the water level drops from 20 cm to 11 cm. Find the volume of the metal ball.



Ans: _____ cm^3

675
3

25. A bus driver earns $3618 in 3 months. At this rate, how much will he earn in 2 years?

Ans: $ _____

---

26. Find the value of

$20 + 19 + 18 + 17 + 16 - 15 + 14 - 13 - 12 - 11 - 10 + 9 + 8 + 7 + 6$

$-5 - 4 - 3 - 2 - 1 + 0.$

Ans: _____

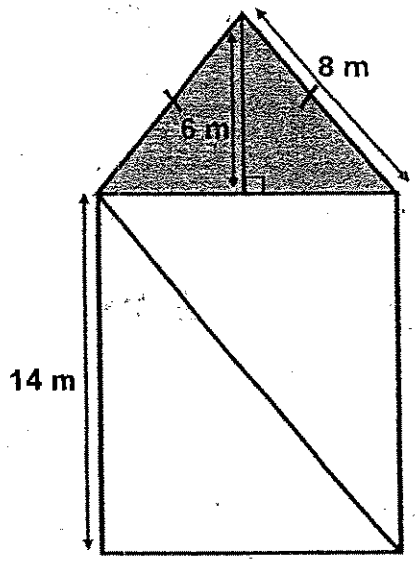
---

27. Diana, Linda and Eve shared 450 sweets. If each of them received 54 more sweets, the new ratio of the number of sweets shared by Diana, Linda and Eve would be 3 : 5 : 4. How many sweets did Diana have at first?

Ans: _____

676
5

28. The figure below is not drawn to scale. The perimeter of the figure is 54 m. Find the shaded area.



Ans: _____ m^2

---

29. A car travelled 120 km on 10 ℓ petrol. If the car were to travel 1260 km, beginning with a full tank, how many times must the driver top-up the fuel tank, given that the capacity of the tank is 50 ℓ?

Ans: _____

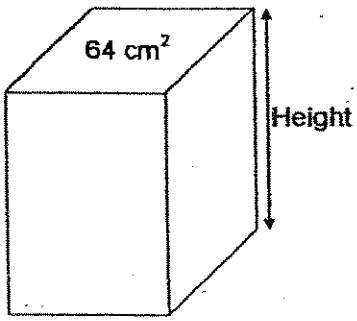
---

30. Mrs Lim can type 97 words in one minute. At the same rate, how many words can she type from 1 p.m. to 3.45 p.m.?

Ans: _____

---

31. The cuboid below has a square face of area 64 cm^2. The length is $\frac{2}{5}$ its height. Find the volume of the cuboid.

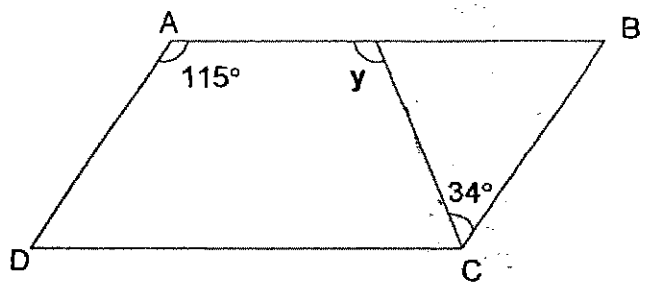


Ans: _____ cm^3

4

678

32. The figure below is not drawn to scale. Figure ABCD is a parallelogram. Find $\angle y$.



Ans: _____ °

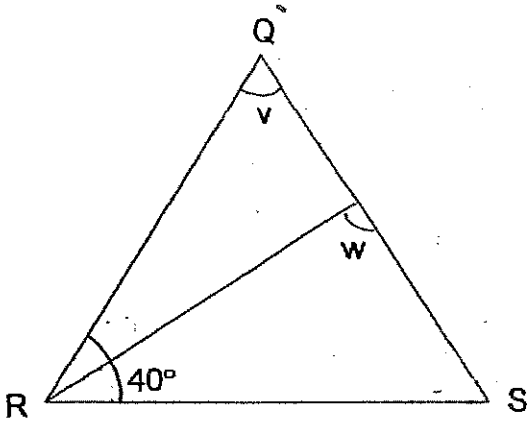
---

33. 40% of the erasers in a box are purple. The rest are blue and green erasers in the ratio of 11: 4. There are 48 fewer purple erasers than blue erasers. How many erasers are there altogether?

Ans: _____

4

34. The figure below is not drawn to scale. QRS is an equilateral triangle. Find the sum of ∠ v and ∠ w.



Ans: _____ °

---

35. Randy uses 20 bowls of water to fill 0.25 of a fish tank. He uses another 20 bowls and 26 bottles of water to fill the rest of the fish tank. If each bottle can hold 0.75 litres of water, what is the capacity of the fish tank?

Ans: _____ litres

4

680

For questions 36 to 48, show your working clearly in the space below each question and write your answers in the spaces provided.
The number of marks awarded is shown in brackets [ ] at the end of each question or part-question. (50 marks)

---

36. Siva has a total of 30 pencils and notebooks. If he exchanges every notebook for 2 pencils, he will have 50 pencils. How many notebooks does Siva have?

Answer: _____ [3]

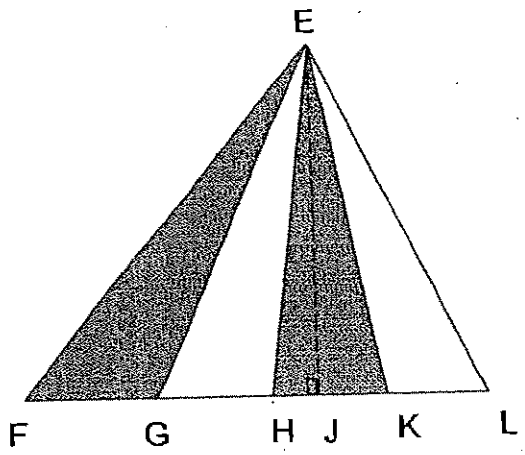
---

37. Jun Wei and Ahmad had an equal amount of money. Each day, Jun Wei spent $36 and Ahmad spent $21. When Jun Wei used up all this money, Ahmad still had $525 left. How much did each of them have at first?

Answer: _____

681/6

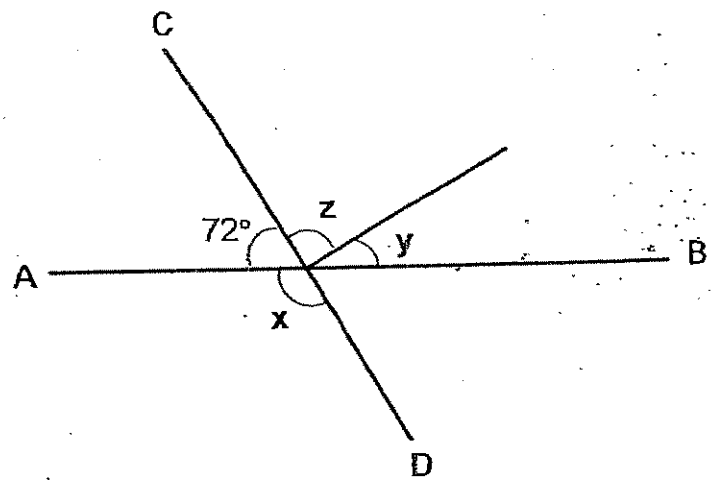
38. In the figure below, not drawn to scale, HL = 18 cm and FH = 22 cm. FG = GH, HK = KL and EJ = 9 cm. Find the total area of the shaded parts.



Answer: _____ [3]

---

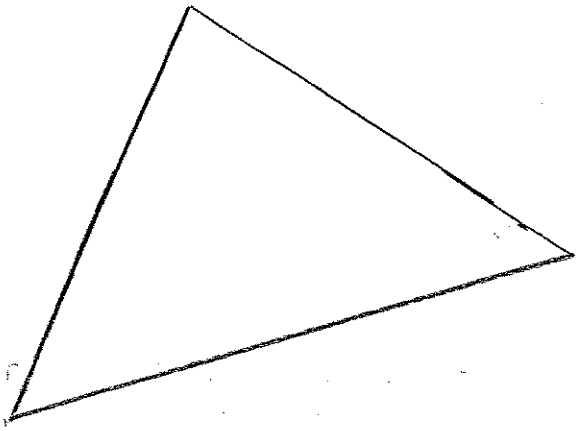
39. In the figure below not drawn to scale, AB and CD are straight lines. If ∠x is three times as large as ∠y, find the **difference** between ∠z and ∠x.



Answer: _____ [3]

682/6

40. Draw a triangle ABC in which AB = AC = 6 cm and ∠ BAC = 80°. Measure BC.



Answer: _____ [3]

---

41. A container weighs 22 kg when filled with Liquid B. The same container weighs 7 kg when filled with Liquid C. If Liquid B is 5 times as heavy as Liquid C, what is the mass of the container?

Answer: _____ [3]

6

683

42. Bobby, Edward and Kelvin made a bottle of paper stars. The number of paper stars Bobby made was 21 more than $\frac{1}{4}$ the total number of paper stars in the bottle. The number of paper stars Edward made was 30 more than $\frac{1}{4}$ of the remaining number of paper stars in the bottle. Kelvin made the remaining 114 paper stars. How many paper stars did they make in all?

Answer: _____

---

43. A, B and C are three numbers. The average of A, B and C is 5 greater than the average of A and B. If C is 38, find the total of A, B and C.

Answer: _____ [4]

684

8

44. A big rectangular tank measures 80 cm by 60 cm by 40 cm, is $\frac{1}{4}$ filled with water. $\frac{4}{5}$ of a smaller rectangular tank is also filled with water. The ratio of the volume of water in the big rectangular tank to that in the smaller rectangular tank is 3 : 2. Find the capacity of the smaller tank in **litres**.

Answer:_____ [4]

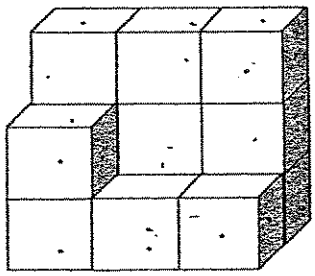
45. A box contained 50¢ coins and 20¢ coins in the ratio 2 : 3. Peter took out four 50¢ coins, exchanged them for 20¢ coins and put the money back into the box. The ratio then became 2 : 7. Find the sum of money in the box at first.

Answer:_____ [5]

686
5

46. The following shows a solid made up of cubes of side 4 cm.

(a) Find the volume of the solid.
(b) If Ming Hui decides to colour the surface area green, find the total area that he has to colour.



(2)

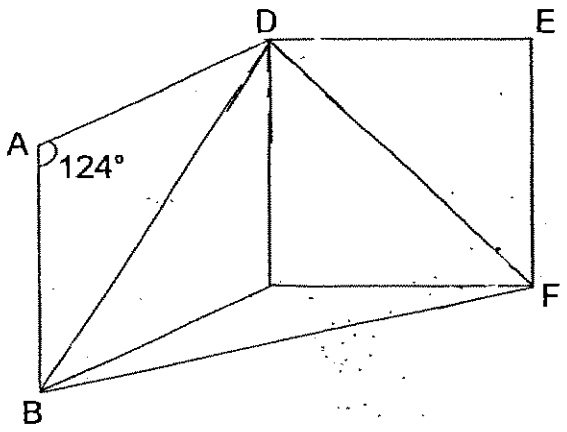
Answer: _____

(3)

687/5

47. ABCD is a rhombus and CDEF is a square. ∠DAB is 124°.

Find (a) ∠BDF
(b) ∠BFC



Answer:(a) _____ [3]

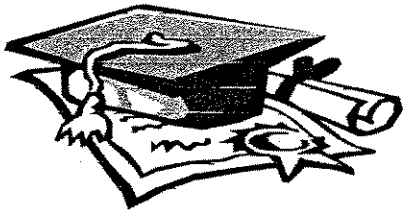
(b) _____ [2]

48. Devi's salary and Minah's salary are in the ratio of 4 : 5. If Devi's salary is increased by 30%, by what percentage must Minah's salary be increased so that their salaries will be the same?

Answer: _____ [5]

--- CHECK YOUR WORK CAREFULLY ---

5



ANSWER SHEET

AI TONG PRIMARY SCHOOL - PRIMARY 5 MATHEMATICE 2007
SEMESTRAL ASSESSMENT (2)

1. 4
2. 3
3. 1
4. 2
5. 2
6. 3
7. 2
8. 1
9. 2
10. 4
11. 3
12. 3
13. 2
14. 2
15. 4
16. 6
17. 15876
18. $6\frac{7}{8}$
19. 7:10
20. 230°
21. 138g
22. 60
23. $34
24. 2430cm3
25. $28944
26. 50
27. 99 sweets
28. 30cm2
29.
30. 16005 words

31) 1280cm3

32) 99°

33) 1200 erasers

34) 140°

35) 39 litres

36) 20 notebooks

37) $1260

38) 22cm ÷ 2 = 11cm
½ x 9cm x 11cm
= 49.5cm2
18cm ÷ 2 = 9cm
½ x 9cm x 9cm
= 40.5cm2
40.5cm2 + 49.5cm2 = 90cm2

39) ∠X = 180° - 72° = 108°
108 ÷ 3 = 36°
∠Z = 180° - 36° - 72° = 72°
108° - 72° = 36°

40) 7.7cm

41) 3.25kg

42) 284 paper stars

43) 84

44) 80cmx60cmx40cm=192000cm3
¼ x192000cm=48000cm3
48000cm3÷3=16000cm3
16000cm3x2=32000cm3
32000cm3÷4=8000cm3
8000cm3x5=40000cm3
=40L

45) $9.60

46) a) 4cmx4cmx4cm=64cm3
Solid has 13 cubes
64cm3x13=832cm3
b) 640cm2

47) a) 180° -124° =56°
56÷2=28°
90° ÷2=45°
∠BDF=45° +28° =73°
b) 124° +90° =214°
360° -214° =146°
180° -146° =34°
∠BFC=34° ÷2=17°

48) 4%

Name : _____(2) Date: ___ __ ___

Class : Primary 5 SY/C/G/SE/P Time : 2 h 15 min

SINGAPORE CHINESE GIRLS' SCHOOL

SECOND SEMESTRAL ASSESSMENT 2007

PRIMARY 5

MATHEMATICS

BOOKLET A

15 Questions

25 Marks

Total Time For Booklets A and B : 2 h 15 mins

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.

FOLLOW ALL INSTRUCTIONS CAREFULLY.

ANSWER ALL QUESTIONS.

Booklet A (20 marks)

Questions 1 to 10 carry 1 mark each. Questions 11 to 15 carry 2 marks each. For each question, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4). Shade the correct oval (1, 2, 3 or 4) on the Optical Answer Sheet.

1. Write in figures - 600 thousands, 40 hundreds and 15 tens.

(1) 600 415
(2) 604 150
(3) 640 150
(4) 641 500

2. Arrange the following in ascending order $\frac{11}{12}, \frac{1}{2}, \frac{1}{3}, \frac{3}{4}, \frac{5}{6}$.

(1) $\frac{11}{12}, \frac{5}{6}, \frac{3}{4}, \frac{1}{2}, \frac{1}{3}$

(2) $\frac{11}{12}, \frac{3}{4}, \frac{5}{6}, \frac{1}{3}, \frac{1}{2}$

(3) $\frac{1}{3}, \frac{1}{2}, \frac{3}{4}, \frac{5}{6}, \frac{11}{12}$

(4) $\frac{1}{3}, \frac{1}{2}, \frac{3}{4}, \frac{11}{12}, \frac{5}{6}$

3. Divide 89.16 by 3.

(1) 297.2
(2) 29.92
(3) 29.72
(4) 27.72

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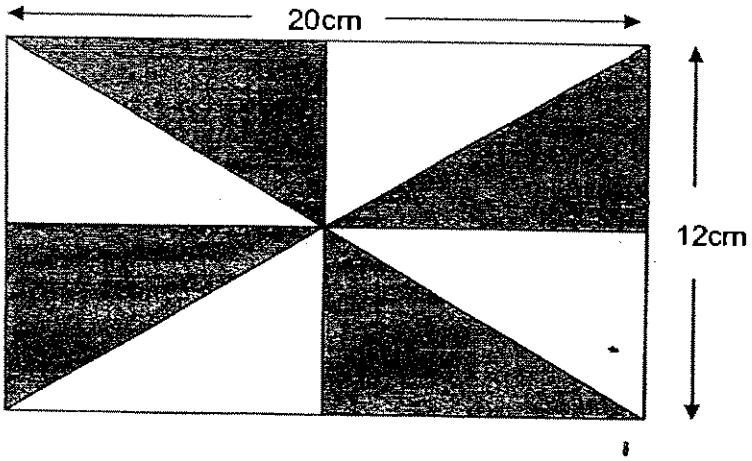
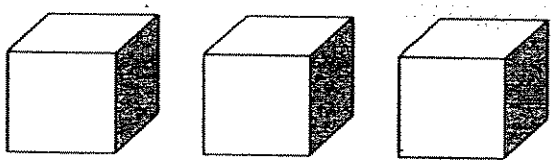


4. The above figure is made up of 8 identical triangles.
What is the shaded area of the figure?

(1) 30 cm^2
(2) 60 cm^2
(3) 120 cm^2
(4) 240 cm^2

5. What is the total volume of the three 6-cm cubes?



(1) 36 cm^3
(2) 108 cm^3
(3) 216 cm^3
(4) 648 cm^3

6. A carpenter saw a plank 6.48 m long into 3 equal pieces. What was the length of each piece of plank?

(1) 2.16 cm
(2) 2.03 m
(3) 213 cm
(4) 2.16 m

7. Through how many right angles does the minute hand turn in one hour?

(1) 1
(2) 2
(3) 6
(4) 4

8. The average mass of five boys is 52 kg. The first 4 boys have a mass of 43 kg, 60 kg, 55 kg and 49 kg respectively. What is the mass of the fifth boy?

(1) 52 kg
(2) 53 kg
(3) 57 kg
(4) 63 kg

9. The ratio of the amount of orange syrup to the amount of water used in making an orange drink is 3 : 7. If 900*ml* of orange syrup was used, how much water was used?

(1) 300 *ml*
(2) 450 *ml*
(3) 630 *ml*
(4) 2100 *ml*

10. Express $\frac{1}{20}$ as a percentage.

(1) 5%
(2) 10%
(3) 15%
(4) 20%

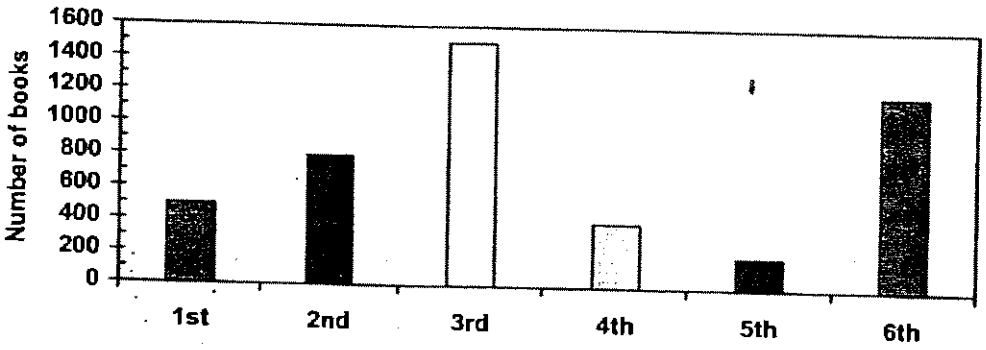
11. Jessie is 12 years younger then her cousin. In 2 years' time, her cousin will be 30 years old. How old is Jessie now?

(1) 16 years old
(2) 18 years old
(3) 20 years old
(4) 26 years old

12. 9 mangoes cost ~~$24.30.~~ How much do 8 mangoes cost?

(1) $2.70
(2) $17.20
(3) $17.90
(4) $218.70

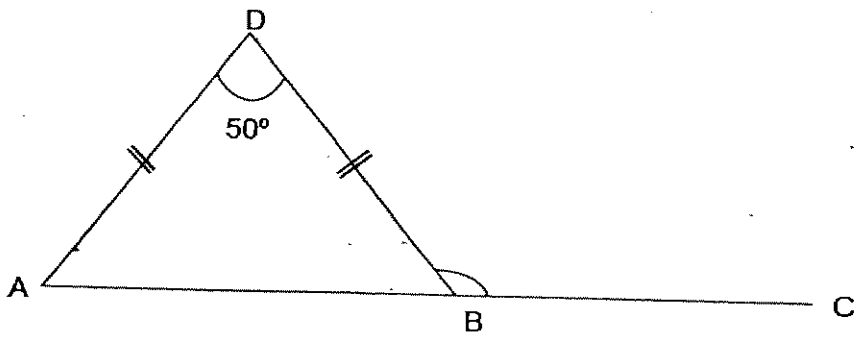
13. The line graph shows the total number of books sold in the first 6 days of its launch.



In which day did the number of books sold decrease the most, when compared to the previous day?

(1) 1st day
(2) 4th day
(3) 5th day
(4) 6th day

14. The diagram below is not drawn to scale. ABD is an isosceles triangle and ABC is a straight line. Find ∠ DBC.



(1) 65°
(2) 115°
(3) 130°
(4) 140°

15. Mr Chong and his family ordered dishes at a restaurant which amounted to $210 in all. The restaurant charges 10% service charge and 7% GST. How much did Mr Chong pay for the meal?

(1) $224.70
(2) $231.00
(3) $245.70
(4) $247.80

Name : _____ ( ) Date : _____

Class : Primary 5(S)Y/C/G/SE/P Time : 2 h 15 min

Booklet B (80 marks)

Questions 16 to 25 carry 1 mark each. Questions 26 to 35 carry 2 marks each.
For each question, write your answer in the space provided.
Give your answers in the units stated.

Do not write in this column

16. Find the value of $60 - 15 \div 5 \times 2$.

Ans: _____

17. Express $1\frac{2}{3}$ in decimals. (Rounded off your answer to two decimal places)

Ans: _____

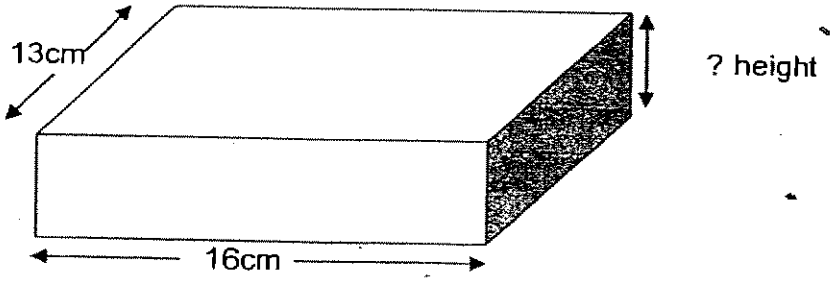
18. What fraction of \$45 is \$3?

Ans: _____

3

19. Given that the volume of the solid is 2496 cm^3, find the height of the solid.

Do not write In this column



Ans: _____ cm

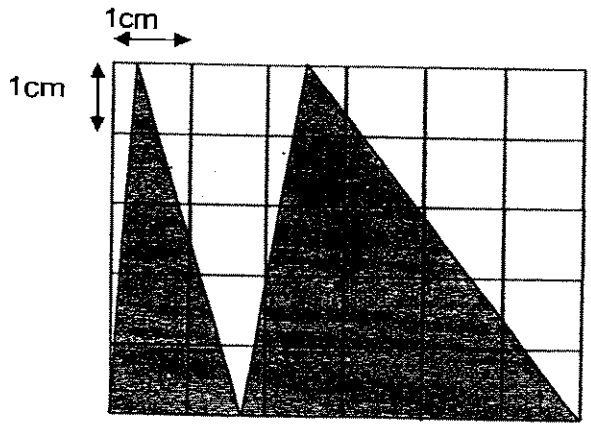
---

20. Mrs Foo sold rambutans on Monday and Tuesday. If the amount of rambutans sold on Tuesday is twice the amount sold on Monday, how much will she have sold altogether if she sold 1500g of rambutans on Tuesday?

Ans: _____ kg _____ g

---

21. What is the area of the shaded triangle?

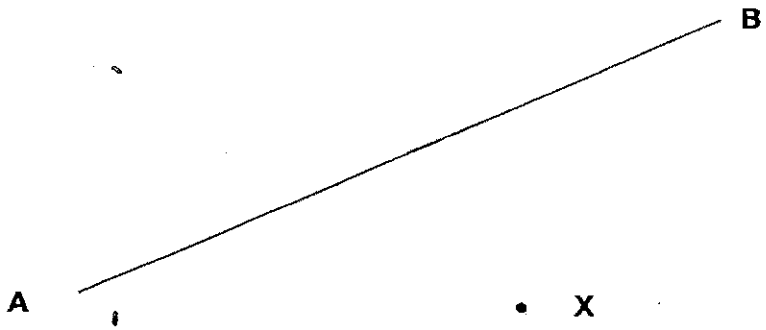


Ans: _____ cm^2

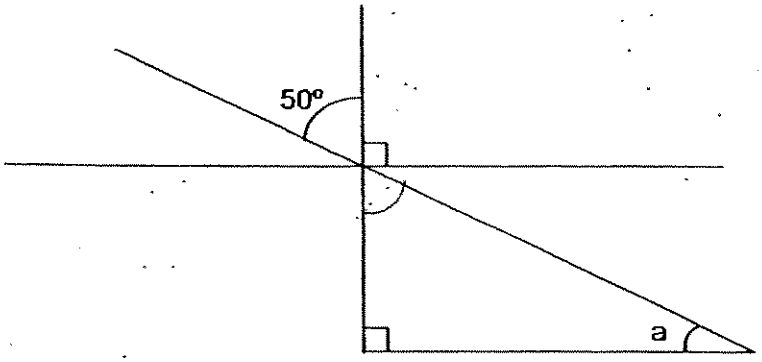
3

22. Draw a line perpendicular to line AB that passes through point X.

Do not write in this column



23. Find the value of $\angle$ a.



Ans: _____ °

24. A fruit seller peeled 6 oranges in 3 minutes. What is the average number of oranges she peeled in a minute?

Ans: _____

3

25. Aini gave 35% of her marbles to Bala. What fraction of her marbles had she left?

Do not write In this column

Ans: _____

Questions 26 to 35 carry 2 marks each. Show your working clearly in the space below each question, and write your answers in the spaces provided For questions which require units, give your answers in the units stated

26. Mrs Wong spent half of her money on a handbag and the rest on 4 similar purses. If each purse cost $22, how much did she have at first?

Ans: $ _____

27. Mr Wu spent 1 h 20 min to wash his car and then another 55 min to polish it. If he finished cleaning his car at 11.35am, at what time did he start cleaning his car?

Ans: _____

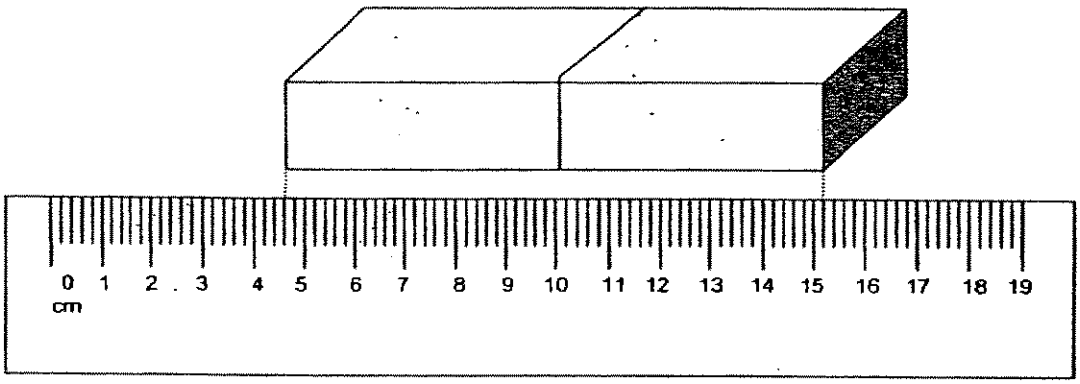
5

28. A water bottle costs \$16.20. A plastic bowl costs $\frac{1}{10}$ as much as a water bottle. What is the total cost of a water bottle and a plastic bowl?

Do not write In this column

Ans: \$_____

29. What is the length of the eraser?

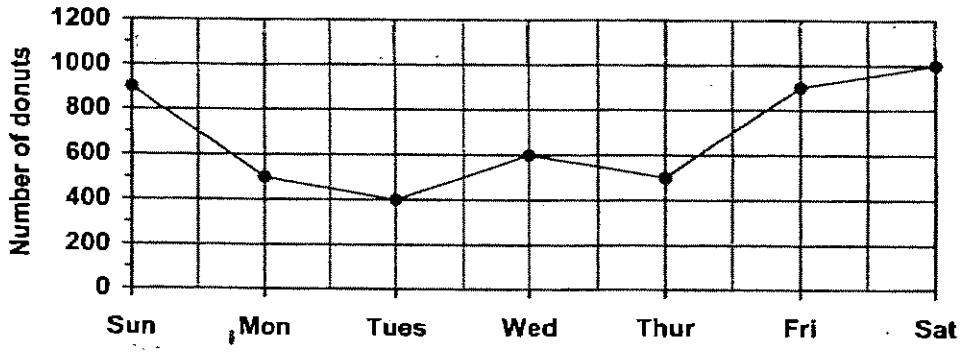


Ans: _____ cm

4

30. The line graph shows the sales of donuts at a donut factory in one week. Study the graph carefully.

Do not write In this column



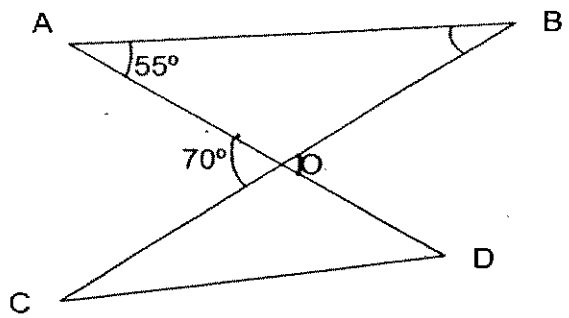
(a) What is the difference between the most number of donuts sold in a day, and the least number of donuts sold in a day?

(b) What was the average number of donuts sold ~~for that week?~~ from Mon to Sat?

Ans: (a) _____

(b) _____

31. In the figure not drawn to scale, AD and BC are straight lines. Find ∠ABO.



Ans: _____°

4

32. A pail with a capacity of 5.25 l is put under a dripping tap. After 20 minutes, the pail becomes half filled. At what rate is water dripping from the tap? (Give your answers in l / hr)

Do not write in this column

Ans: _____ l / hr

33. Mr Raju can make an average of 20 roti pratas in 15 minutes. His assistant can make 1 prata per minute. At these rates, how long does it take them to make 140 pratas if they start making the pratas at the same time?

Mr

Ans: _____

34. Harry, Billy and Neville bought some computer games and shared out the cost in the ratio 5 : 4 : 1 respectively. If Harry paid $36 more than Neville, how much did the computer games cost?

Ans: _____

35. Deborah bought a refrigerator at a discount of 30%. She paid $621.60 for it. What is the original price of the refrigerator?

Ans: _____

8

Name : _____ ( ) Date : _____

Class : Primary 5 SY/C/G/SE/P Time : 2 h 15 min

Do not write in this column

Write your answers to questions 36 to 48 in the spaces provided. For each question, show your working clearly in the space provided. The number of marks available is shown in brackets at the end of each question or part-question.

36. Linette bought 2 dolls and 5 books for $154. Each doll cost 3 times as much as a book.

(a) Find the price of a doll.

(b) Find the difference in price between a doll and a book.

Ans: (a) _____(2)

(b) _____(1)

37. Three girls, Anna, Beatrice and Calista shared a roll of ribbons.
Anna's share was $\frac{1}{4}$ of the total length of Beatrice's and Calista's ribbons.
Beatrice's share was $\frac{2}{3}$ of the total length of Anna's and Calista's ribbons.
If Anna's share of ribbons is 45cm less than Beatrice's share, what is the total length of the roll of ribbons?

Ans: _____(3)

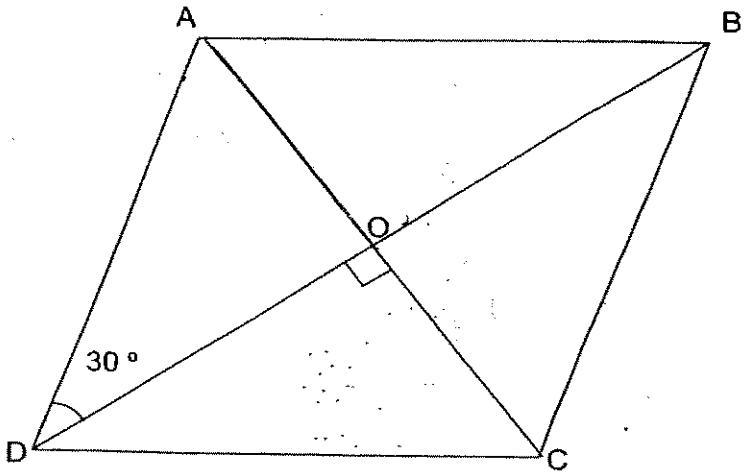
6

38. Figure ABCD is a rhombus. AC and BD are straight lines. AC = 10cm, BD = 14cm.

Do not write in this column

(a) Find ∠ OAD. (1m)

(b) Find the area of triangle DOC. (2m)



Ans: (a)_____°

(b)_____cm^2

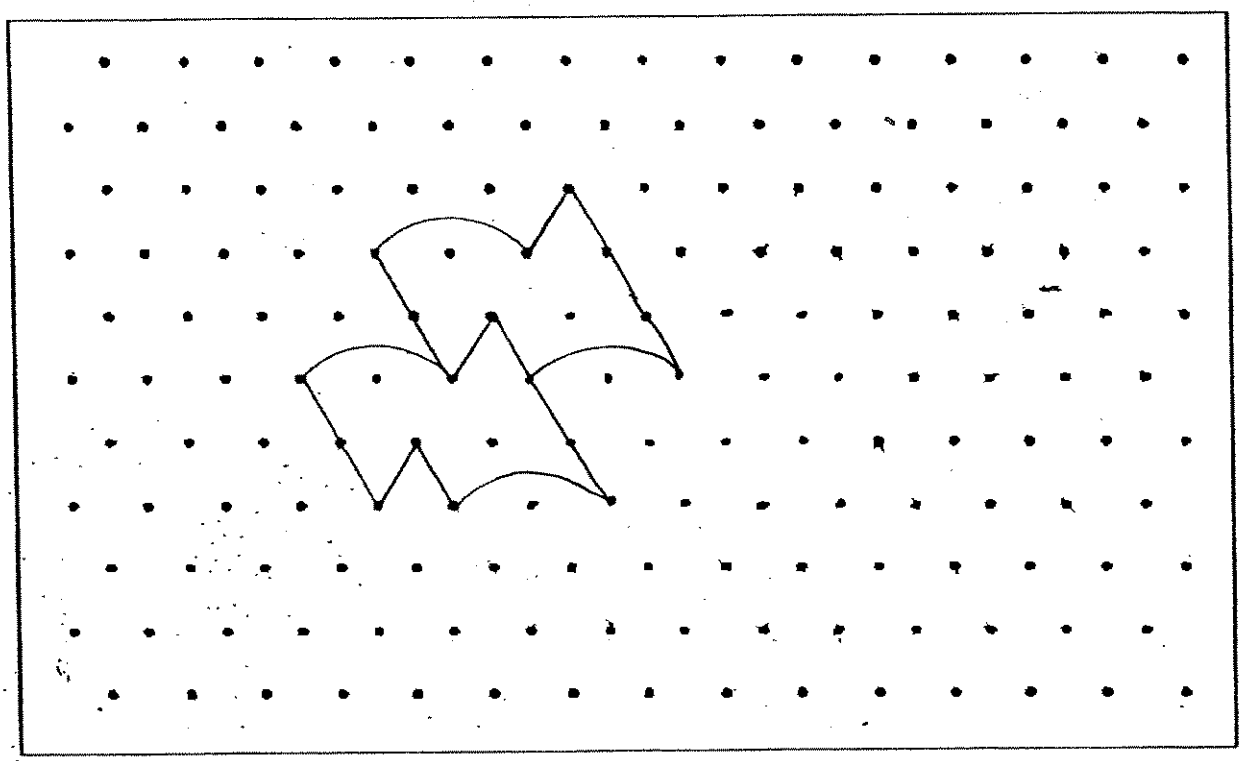
39. The mass of a basket of lychees was 27 kg. Some pineapples that were placed in a similar basket had a mass of 21 kg. The mass of the pineapples was $\frac{3}{4}$ the mass of the lychees. Find the mass of the empty basket.

Ans: _____kg (3)

6

40. (a) Shade a unit shape of the tessellation. (1)
(b) Extend 4 more unit shapes (2)

Do not write In this column



41. Shelley saved 10% of her monthly salary and spent 20% of the remainder on room rental every month. If she spent $4320 on room rental a year, how much does she earn in a month?

Ans: _____ (3)

6

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42. It takes 3 jugs and 8 mugs of water to fill up a fish tank. The capacity of a mug is $\frac{1}{5}$ the capacity of a jug, what is the capacity of the fish tank given that a jug can hold $0.75l$ of water?

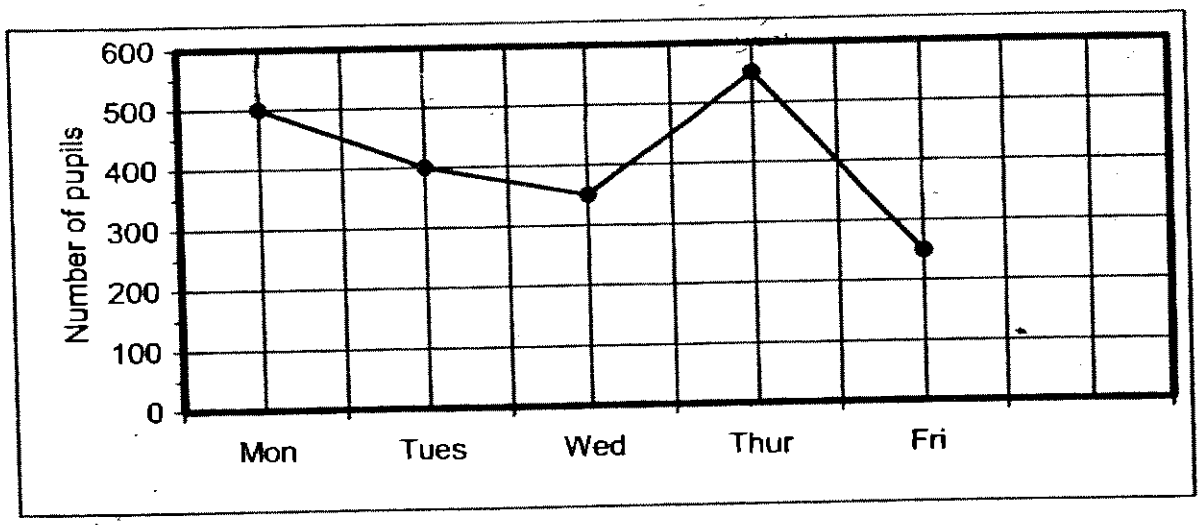
Do not write in this column

Ans: _____ (4)

4

43. The graph shows the number of pupils who visited a canteen stall in a week.

Do not write In this column



(a) What was the difference between the greatest number and the smallest number of pupils who visited the stall?

(b) On which day was the number of pupils who visited the stall $\frac{4}{5}$ of the number of pupils who visited the stall on Monday.?

(c) What is the average number of pupils who visited the stall per day?

Ans: (a) _____ (1m)

(b) _____ (1m)

(c) _____ (2m)

4

44(a) Construct a triangle ABC such that AB = 7 cm , BC = 5 cm and $\angle$ ABC = 60° . (2)

Do not write In this column

44(b) Given that AB is the base of the triangle, draw and measure the height of the triangle ABC. (2)

Ans: (b) _____cm

4

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45. Rachel bought 4 times as many key chains as pencil cases. She spent $180.90 in total and $56.70 more on key chains than the pencil cases. The pencil cases cost $1.20 more than the keychains. Find the cost of a ~~ky~~ key chain.

Do not write in this column

Ans: _____ (5)

5

712

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46. (a) The ratio of the shaded area to the unshaded area is 7 : 2.
Find the area of the unshaded area.

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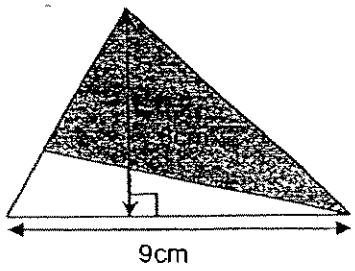
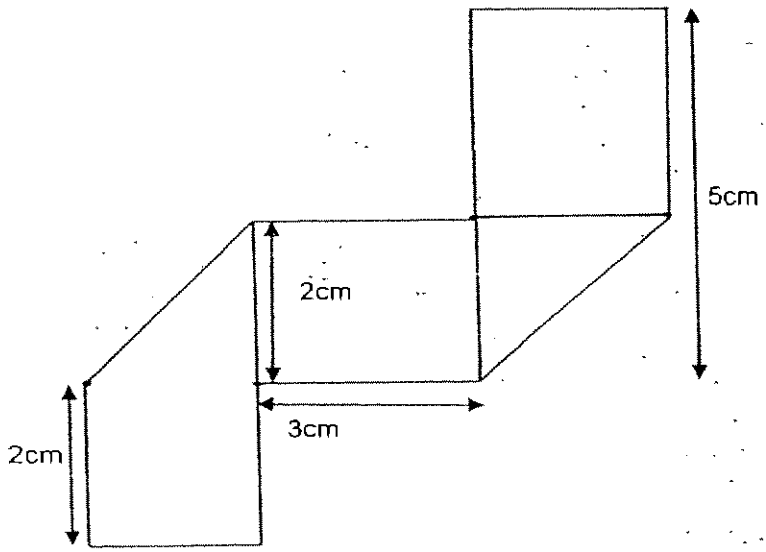


Ans: (a) _____ (2)

(b) A strip of rectangular paper was folded as shown below.
Find the perimeter and area of the strip of paper.



Ans: Perimeter: _____ (2)
Area: _____ (1)

5

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47. A rectangular tank with a base measuring 20 cm long and 16 cm wide is being filled with water. A tap fills the tank up at a rate of 20 ml per minute. If it takes $5\frac{1}{3}$ hour for the tank to be filled to the brim, what was the height of the tank?

Do not write in this column

Ans: _____ (5)

5

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48 There were some red, blue and white balls in a box. After 10 red balls and 5 blue balls were removed from the box, the ratio of red to blue balls was 4 : 9. When 16 more white balls were added in the box, the ratio of blue to white balls was 3 : 4. If there were 44 white balls at first, what was the ratio of red, to blue, to white balls at first?

Do not write In this column

Ans: _____ (5)

5

END OF PAPER
PLEASE CHECK YOUR WORK

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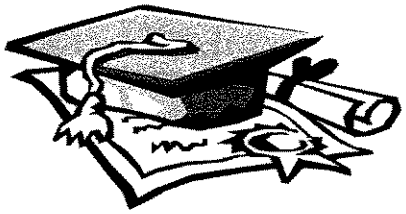
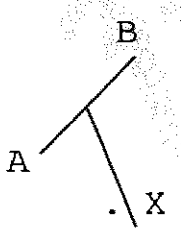


ANSWER SHEET

SCGS PRIMARY SCHOOL - PRIMARY 5 MATHEMATICS 2007
SEMESTRAL ASSESSMENT (2)

1. 2
2. 3
3. 3
4. 3
5. 4
6. 4
7. 4
8. 2
9. 4
10. 1
11. 1
12. 2
13. 2
14. 2
15. 3
16. 54
17. 1.67
18. 1/15
19. 12cm
20. 2kg250g
21. 15cm2
22.



23. 40°
24. 2
25. 13/20
26. $176
27. 9.20a.m
28. $17.82
29. 10.6cm

30) a) Most--1000
Least--400
diff -1000-400=600
b) Total—500+400+600+500+900+1000
=3900
Average—3900÷6=650

31) ∠X→70°
∠y→(360° -70° -70°)÷2=220÷2
=110°
∠ABO→180° -110° -55° =15°

32) 7.875

33) 1 hour

34) $90

35) $888

36) a) 1u→$154÷11=$14
(doll) 3u→$14x3=$42
b) (book) 1u→$14
(doll) 3u→$42
diff→$42-$14=$28

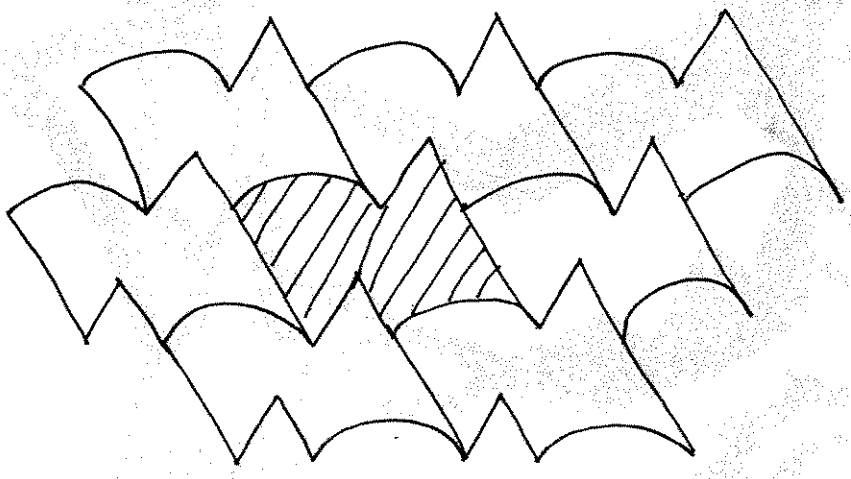
37) 225cm

38) a) ∠x→180° -90° -30° =60°
∠y→(360° -90° -90°)÷2=180° ÷
2=90°
∠OAD→180° -90° -30° =60°

38)b)OC→10cm÷2=5cm
OD→14cm÷2=7cm
Area of DOC→ ½ x5x7=17.5cm2

39)1u→27-21kg=6kg
3u→18kg
Basket→(21-18)kg=3kg

40)



41)12mths→$4320
1mth→$360
20% of rem→$360
100% of rem→$360x5=$1800
90%-->$1800
10%-->200
100%-->$2000

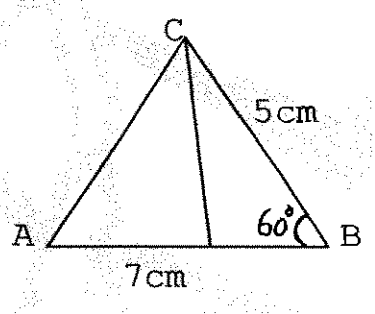
42)5/5→0.75L
1/5mug→0.75L÷5=0.15L
3Jugs→0.75Lx3=2.25L
8Mugs→0.15Lx8=1.20L
Capacity of fish tank→1.20L+2.25L=3.45L

43) a) Greatest number→550
Smallest number→250
Diff→550-250=300

b) 5/5→500
1/5→100
4/5→400
400→Tuesday

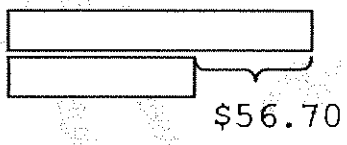
c) Total→500+400+350+550+250=2050
Average→2050÷5=410

44) a)

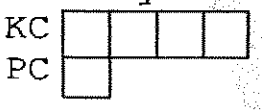


b) 4.4cm

45)



Total cost of KC→$(180.90-56.70)÷2=$62.10
Total cost PC→$62.10+$56.70=$118.80
Every PC equals 4 Kcs

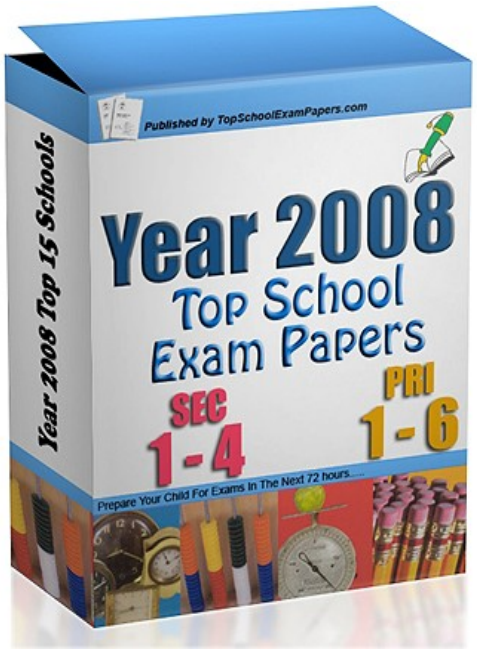


4u of KC→$118.80
1u of KC→$29.70
1u of PC→$62.10
Diff→$62.10-$29.70=$32.40
No.of sets→$32.40÷$1.20=27
1pc→$62.10÷27=$2.30
1kc→$2.30-$1.20=$1.10

46) a) Whole triangle → ½ x8x9=36cm2
1u → 36 ÷ 9=4cm2
Unshaded → 4x2=8cm2
b) Length → 5+5+2=12
Breadth → 2cm
Perimeter → 12+12+2x2=28cm
Area → 12x2=24cm2

47) $5\frac{1}{3}$hr → 320min
Filled up → 320minx20ml=6400ml
Height of tank → 6400/20x16=20cm

48) 15:25:22



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