

2007

PRIMARY 4 MATHS

1.	ACS (JUNIOR)	-	SA1	-	SA2
2.	AI TONG	CA1	SA1	CA2	SA2
3.	CHIJ ST NICHOLAS	-	SA1	-	SA2
4.	HENRY PARK	-	SA1	-	SA2
5.	MAHA BODHI	-	SA1	-	SA2
6.	METHODIST GIRLS	CA1	SA1	-	SA2
7.	NAN HUA	-	SA1	CA2	SA2
8.	NANYANG	-	SA1	CA2	SA2
9.	RAFFLES GIRL	-	SA1	-	SA2
10.	PEI CHUN	-	SA1	CA2	SA2
11.	ROSYTH	-	SA1	-	SA2

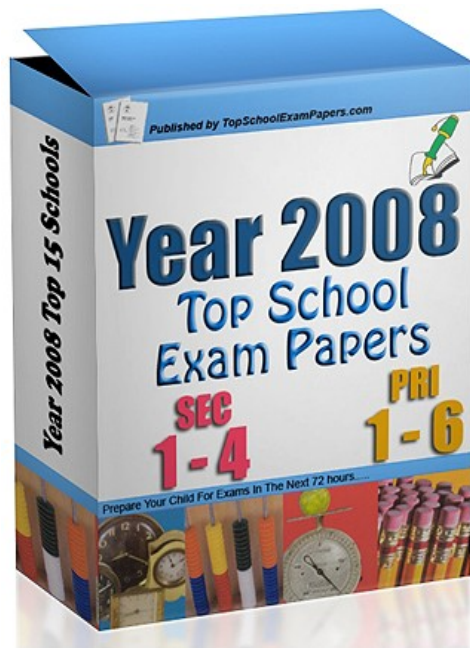
Total : 559 Pages

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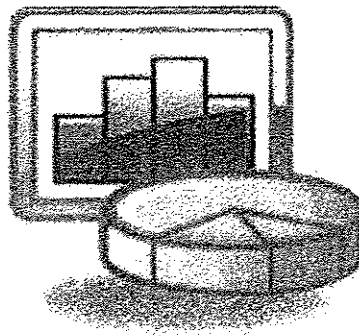
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METHODIST GIRLS' SCHOOL (PRIMARY)

PRIMARY FOUR 2007

MATHEMATICS CA 1

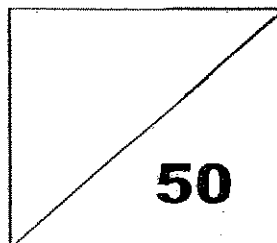


NAME: _____ ()

CLASS: P4. _____

DATE: 1 March 2007

MARKS:



SECTION A : MENTAL SUMS (5 marks)

- | | |
|----------|-----------|
| 1. _____ | 6. _____ |
| 2. _____ | 7. _____ |
| 3. _____ | 8. _____ |
| 4. _____ | 9. _____ |
| 5. _____ | 10. _____ |

SECTION B (15 marks)

Choose the correct answer and write its number in the brackets provided. Questions 11 to 15 carry 1 mark each while Questions 16 to 20 carry 2 marks each.

11. Which number has the digit 3 in its thousands place?

- (1) 14 325
- (2) 36 978
- (3) 53 012
- (4) 65 239

()

12. $81\ 565 \equiv 80\ 000 + \underline{\hspace{2cm}} + 60 + 5$

What is the missing number?

- (1) 15
- (2) 150
- (3) 1 500
- (4) 15 000

()

13. What are the factors of 12?

(1) 1, 2, 3, 4, 6 and 10

(2) 1, 2, 3, 4, 6 and 12

(3) 1, 2, 4, 5, 6 and 10

(4) 1, 2, 4, 6, 8 and 12

()

14. Which of the following numbers when divided by 7 gives a quotient of 24 and a remainder of 4?

(1) 164

(2) 168

(3) 172

(4) 192

()

15. Which is the best estimate for 58×396 ?

(1) 50×300

(2) 50×400

(3) 60×300

(4) 60×400

()

16. A packet of sweets can be divided equally among 6 or 9 children with no sweets left over. What is the least number of sweets that the packet could have?

- (1) 15
(2) 24
(3) 36
(4) 45

()

17. 4 is a common factor of _____.

- (1) 30 and 40
(2) 32 and 56
(3) 44 and 82
(4) 58 and 64

()

18. $275 \times 20 = \boxed{} \times 10$

What is the missing number in the box?

- (1) 55
(2) 550
(3) 5 500
(4) 5 550

19. Abigail needs to buy 265 pens. One pen costs \$1 while a box of 20 pens cost \$18. What is the least amount of money she needs to spend?

- (1) \$234
(2) \$239
(3) \$252
(4) \$257

()

20. The letters A and B below represent a specific digit. The same letter represents the same number.

$$\begin{array}{r} \\ \\ \times \\ \hline 1 \\ \\ \\ \hline \end{array}$$

What number does the letter A represent?

- (1) 8
(2) 6
(3) 5
(4) 4

()

SECTION C (10 marks)

Write your answers in the boxes provided. Each question carries 1 mark.

21. Express forty thousand and six in numerals.

22. Find the product of the first 2 multiples of 8.

23. Find the difference between 12 835 and 1 283. Round off your answer to the nearest hundred.

24. What is the sum of 25 thousands, 9 hundreds, 10 tens and 18 ones?

25. Find the sum of the common factors of 16 and 24.

26. How many tens are there in the product of 285 and 12?

27.

$$\triangle + \square + \star = 4\,041$$

$$\star + \star + \star = 5\,118$$

Find $\triangle + \square$.

For questions 28 to 30, refer to the table below.

The table below shows the number of pupils in 4 kindergarten classes.

	1A	1B	1C	1D	Total
Boys	15	18	8	13	?
Girls	15	10	?	11	50

28. How many boys are there in all 4 kindergarten classes?

29. How many girls are there in class 1C?

30. Which class has the most number of pupils?

SECTION D (20 marks)

For questions 31 to 35, 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 brackets [] at the end of each question or part-question.

31. There are 3 240 people at a stadium.
There are 3 times as many men as children and
2 times as many women as men.
(a) How many children were there?
(b) How many women were there?

Ans: (a) _____ [2]

(b) _____ [2]

32. Mr Tan bought 36 cartons of canned food.
Each carton contained 24 cans.
He repacked the canned food into boxes of 8 cans each and sold each
box for \$15.
(a) How many boxes of canned food did he have?
(b) How much did he get from the sale of all the canned food?

Ans: (a) _____ [2]

(b) _____ [2]

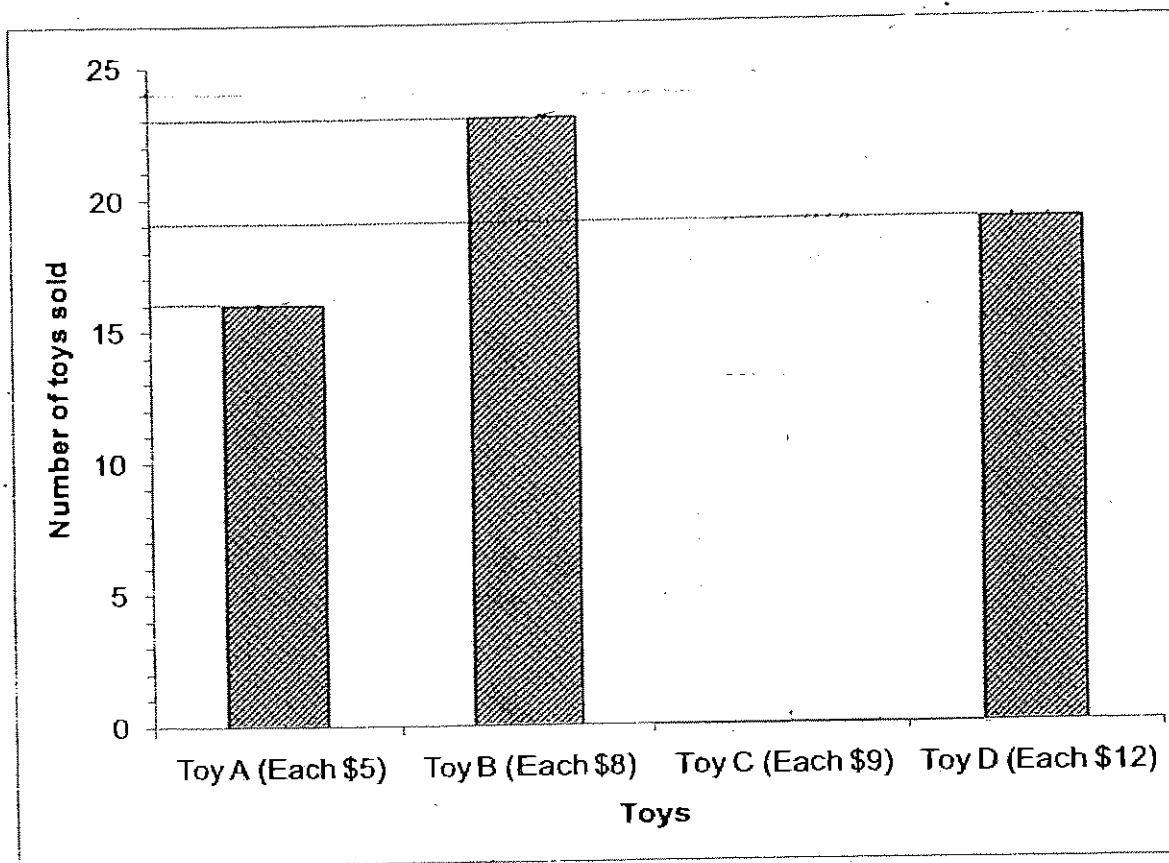
33. John has 156 sweets and James has 274 sweets.
How many sweets must James give to John so that each of them would have the same number of sweets?

Ans: _____ [4]

34. Kelvin bought 18 ties at \$35 each.
He found that if he had bought 6 shirts with the same amount of money, he would be short of \$6.
How much did each shirt cost?

Ans: _____ [4]

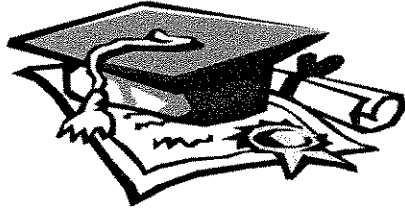
35. The graph below shows the sales of four different toys on one Saturday.



a) If 82 toys were sold in total on that day, complete the graph to show how many of Toy C was sold. [2]

b) What was the total amount collected from the sale of the toys on that day?

Ans: _____ [2]



ANSWER SHEET

M G S PRIMARY SCHOOL - PRIMARY 4 MATHEMATICS 2007
CONTINUAL ASSESSMENT (1)

1. 3000

2. 8

3. 2200

4. 60

5. 1, 2, 3

6. 36

7. 5

8. 13

9. \$23.10

10. 4800M

11. 3

12. 3

13. 2

14. 3

15. 4

16. 3

17. 2

18. 2

19. 2

20. 3

21. 40006

22. 128

23. 11600

24. 26018

25. 15

26. 342

27. 2335

28. 54

29. 14

30. 1B

31) a) $3240 \div 10 = 324$

There were 324 children

b) $324 \times 6 = 1944$

There were 1944 women

32) a) $24 \times 36 = 864$

$864 \div 8 = 108$

There were 108 boxes

b) $108 \times 15 = 1620$

He got \$1620 from the sale of all the canned food.

33) $156 + 274 = 430$

$430 \div 2 = 215$

$274 - 215 = 59$

James must give John 59 sweets so that each of them have the same number of sweets.

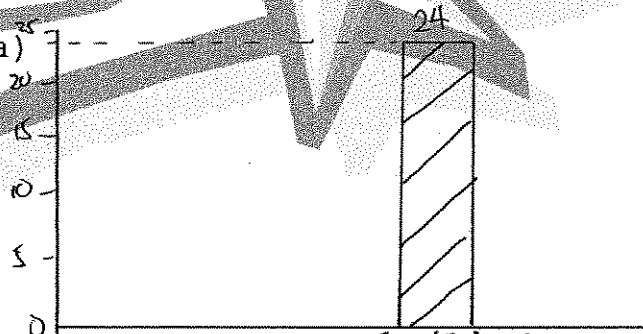
34) $18 \times 35 = 630$

$630 + 6 = 636$

$636 \div 6 = 106$

Each shirt cost \$106

35) a)



b) \$708



AI TONG SCHOOL

2007

CONTINUAL ASSESSMENT 1

PRIMARY 4

MATHEMATICS

DURATION : 1 H 45 MIN

DATE : 6 March 2007

INSTRUCTIONS

Do not open the booklet until you are told to do so.

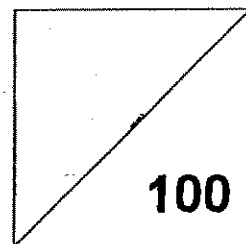
Follow all instructions.

Answer all questions.

Name : _____ ()

Class : Primary 4 _____

Marks:



Parent's Signature : _____

Date : _____

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 oval (1, 2, 3 or 4) on the Optical Answer Sheet with a 2B pencil. (20 marks)

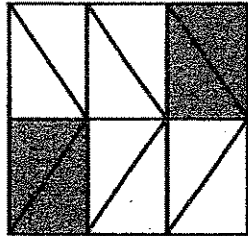
1. Twenty-four thousand, six hundred and fifteen written in numerals is _____.
 - 1) 2465
 - 2) 24 065
 - 3) 24 615
 - 4) 24 650

2. 23 095 when rounded off to the nearest ten is _____.
 - 1) 23 090
 - 2) 23 000
 - 3) 23 100
 - 4) 23 105

3. What is the remainder when 335 is divided by 6?
 - 1) 0
 - 2) 2
 - 3) 5
 - 4) 55

4. How many quarters are there in $3\frac{1}{2}$?
 - 1) 7
 - 2) 8
 - 3) 10
 - 4) 14

5. In the figure below, how many more triangles must be shaded so that the figure is $\frac{2}{3}$ shaded?



- 1) 6
2) 2
3) 3
4) 4
6. In the number 57 209, which digit is in the **hundreds** place?
- 1) 0
2) 2
3) 7
4) 9
7. What is the quotient when 6865 is divided by 5?
- 1) 1373
2) 1473
3) 1573
4) 1673
8. Which one of the following numbers is not a multiple of 9?
- 1) 63
2) 109
3) 117
4) 126

9. Which of the following fractions is the largest?

1) $\frac{11}{3}$

2) $\frac{13}{5}$

3) $\frac{15}{7}$

4) $\frac{19}{8}$

10. Which of the following does not have the same value as the others?

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

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

3) $\frac{3}{6}$

4) $\frac{3}{9}$

11. What number is **20 hundreds** less than 80 000?

1) 78 000

2) 78 200

3) 79 800

4) 79 980

12. Find the sum of 2899 and 411. Round off your answer to the nearest hundred.

1) 3 100

2) 3 200

3) 3 300

4) 3 400

13. Mr Tan gave $\frac{5}{7}$ of his salary to his wife and spent half of the remainder. What fraction of his salary was left?

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

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

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

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

14. There were 2375 green balloons and 3113 yellow balloons in a box. Jenny mixed them together and packed them equally into 8 boxes. How many balloons were there in each box?

1) 686

2) 688

3) 5488

4) 5588

15. Mr Tan painted $\frac{1}{10}$ of a wall in the morning. If he can only paint another $\frac{3}{5}$ of the wall in the afternoon, what fraction of the wall will be left **unpainted**?

1) $\frac{3}{10}$

2) $\frac{6}{10}$

3) $\frac{7}{10}$

4) $\frac{9}{10}$

Section B

Questions 16 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.

(40 marks)

16. What is the value of the digit 9 in 93 815?

Ans : _____

17. Express sixteen thousand, nine hundred and eight in numerals.

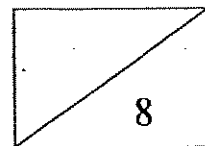
Ans : _____

18. Express $\frac{78}{9}$ as a mixed number in its simplest form.

Ans: _____

19. Divide the sum of 2309 and 1453 by 6. Round off the answer to the nearest 100.

Ans : _____



20. The sum of the 2nd multiple of 8 and the 3rd multiple of 7 is _____.

Ans : _____

21. The smallest 5 digit even number that can be formed with the digits 3, 8, 0, 2 and 4 is _____.

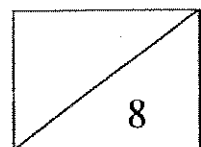
Ans : _____

22. The factors of 20 are 1, 2, 4, 5, _____ and _____. What are the missing numbers in the blanks?

Ans : _____ and _____

23. $285 \times 25 = 285 \times 20 + 285 \times$ _____
What is the missing number in the blank?

Ans : _____



24. The product of two numbers is 621.
One of the numbers is 3. What is the other number?

Ans : _____

25. How much does Mr Lim earn in 2 weeks if he earns \$45 a day?

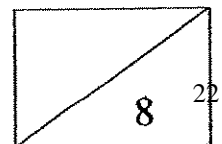
Ans : \$ _____

26. Mrs Tan bought some muffins. Each box of 6 muffins cost \$8. How many muffins did Mrs Tan buy if she paid \$72 altogether?

Ans : ~~\$~~ _____

27. What is the value of $7 - \frac{2}{7}$? (Give your answer as a mixed number.)

Ans : _____



28. Mei Mei had some stamps. She gave away $\frac{3}{8}$ of her stamps to her sister and $\frac{1}{4}$ of them to her brother. What fraction of her stamps had she left?

Ans : _____

29. Round off 29 590 to the nearest **thousand**.

Ans : _____

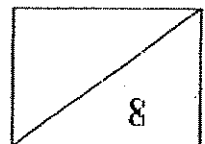
30. Complete the number pattern.

15 800, 15850, 15950, _____, 16 300, 16 550

Ans : _____

31. What is the place value of the digit 4 in 48 369 ?

Ans : _____



32. What number is 100 **more than** 9999?

Ans : _____

33. What is the value of $\frac{2}{3} + \frac{5}{12}$?

(Express your answer as a mixed number.)

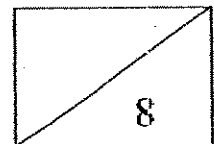
Ans : _____

34. Peter spent $\frac{1}{3}$ of his savings on computer games, $\frac{1}{2}$ of his savings on books and the remaining on movies. What fraction of his savings did he spend on movies?

Ans : _____

35. Mary has \$575 in her bank account.
Peter has twice as much as Mary. How much do they have altogether?

Ans : \$ _____



Section C

Questions 36 to 45 carry 4 marks each. Show your working clearly in the space provided below each question and write your answers in the spaces provided.

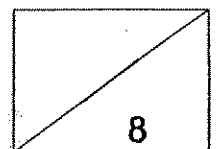
(40 marks)

36. Yanni and Devi baked some pineapple tarts. Yanni ate 12 of the tarts. She ate twice as many pineapple tarts as Devi. If there were 35 pineapple tarts at first, how many pineapple tarts were left?

Ans: _____ [4]

37. Mr Tan earned \$83 000 last year. If Mr Lim earned \$1000 less than Mr Tan, and Mr Lee earned \$10 000 more than Mr Lim, how much did Mr Lee earn?

Ans: _____ [4]

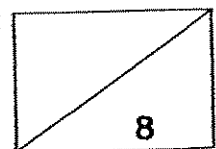


38. At a train station, 109 passengers alighted from a train and 89 passengers boarded it. There were 450 passengers in the train after that. How many passengers were there in the train **at first**?

Ans: _____ [4]

39. Zhi Yong and Meng Li share some marbles. If Zhi Yong has 14 more marbles than Meng Li and there are 70 marbles altogether, how many marbles does Meng Li have?

Ans: _____ [4]



26

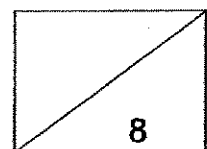
\$168

40. Mrs Lim bought 3 dresses at \$56 each. She also bought 4 blouses which cost half as much as the 3 dresses. How much did each blouse cost?

Ans: _____ [4]

41. Andy had 744 stamps. He kept 636 stamps for himself and gave the rest to his three brothers. How many stamps did each of his brothers get?

Ans: _____ [4]

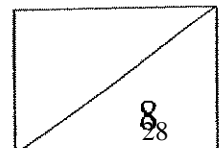


42. Tommy has twice as many books as Joanne but he has 19 fewer books than Peter. If they have 154 books altogether, how many books does Tommy have?

Ans: _____ [4]

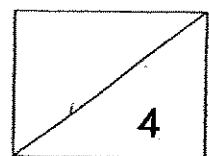
43. Andy bought a pair of shoes and a shirt. He paid \$108 for them. If the shoes cost three times as much as the shirt, find the cost of the shoes.

Ans: _____ [4]



44. Hassan had some apples on Monday. The next day, he bought another 75 apples. Then he packed all the apples into 16 bags of 12 apples each, How many apples did he have on Monday?

Ans: _____ [4]

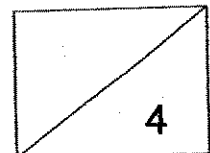


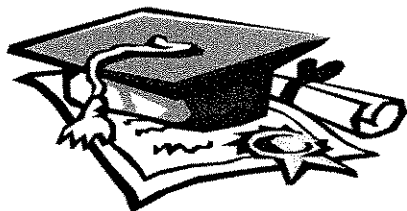
45. Ms Devi wanted to buy some toy cars for her pupils. They were sold for \$4 each. For every 3 toy cars bought, one was given free. If she spent \$80, how many toy cars did she get altogether (including the free toy cars)?

Ans : _____ [4]

End-of-paper

Please check your work carefully





ANSWER SHEET

AI TONG PRIMARY SCHOOL - PRIMARY 4 MATHEMATICS 2007
CONTINUAL ASSESSMENT (1)

1. 3
2. 3
3. 3
4. 4
5. 4
6. 2
7. 1
8. 2
9. 1
10. 3
11. 1
12. 3
13. 1
14. 1
15. 1
16. 90000
17. 16908
18. $8\frac{2}{3}$
19. 600
20. 37
21. 20348
22. 10 and 20
23. 5
24. 207
25. \$630
26. 54 muffins
27. $6\frac{5}{7}$
28. $\frac{3}{8}$
29. 30000
30. 16100
- 31) ten thousand
32) 10099
33) $1\frac{1}{12}$
34) $\frac{1}{6}$
35) \$1725
36) $12 \div 2 = 6$ (Devi)
 $12 + 6 = 18$
 $35 - 18 = 17$
There were 17 tarts left
- 37) $\$83000 - \$1000 = \$82000$ (Mr Lim)
 $\$10000 + \$82000 = \$92000$ (Mr Lee)
Mr Lee earn \$92000
- 38) $450 - 89 = 361$
 $361 + 109 = 470$
There were 470 passengers
at first
- 39) Meng Li

x

Zhi Yong

x	14
---	----

 } 70 marbles
- $x + x + 14 = 70$
 $2x + 14 = 70$
 $2x = 70 - 14$
 $2x = 56$
 $x = 56 \div 2$
 $x = 28$
Meng Li had 28 marbles.

40) $56 \times 3 = \$168$
 $\$168 \div 2 = \84
 $\$84 \div 4 = \21
 Each blouse cost \$21

41) $744 - 636 = 108$
 $108 \div 3 = 36$
 Each of his brother get 36 stamps.

42) Joanne

x

 Tommy

x	x
---	---

 Peter

x	x	19
---	---	----

 } 154

$x + 2x + 2x + 19 = 154$
 $5x + 19 = 154$
 $5x = 154 - 19$
 $5x = 135$
 $x = 135 \div 5$
 $x = 27$

Tommy = $x + x = 27 \times 2 = 54$
 Tommy had 54 books.

43) Shirt

x

 Shoes

x	x	x
---	---	---

 } \$108

$x + x + x + x = \$108$
 $4x = \$108$
 $x = \$108 \div 4$
 $x = \$27$

Shoes = $27 + 27 + 27 = 27 \times 3 = \81
 The cost of the shoes is \$81

44) $16 \times 12 = 192$
 $192 - 75 = 117$
 He have 117 apples on Monday.

45) $80 \div 4 = 20$
 $20 \div 3 = 6r2$
 $20 + 6 = 26$
 She got 26 toy cars.



Maha Bodhi School
2007 Semestral Assessment 1
Mathematics

Name : _____ ()

Date : 9 May 2007

Class : Pr 4 _____

Duration : 1 h 45 min

BOOKLET A**Section A (40 marks)**

Questions 1 to 20 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.

1. Sixty thousand and fifty in numerals is _____.

- (1) 6050
- (2) 60 005
- (3) 60 050
- (4) 60 500

2. Which one of the following is the best estimate for $591 + 305$?

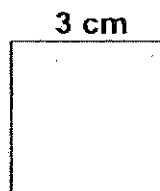
- (1) 800
- (2) ~~800~~ 850
- (3) 900
- (4) 910

3. $5708 \times 6 =$ _____.

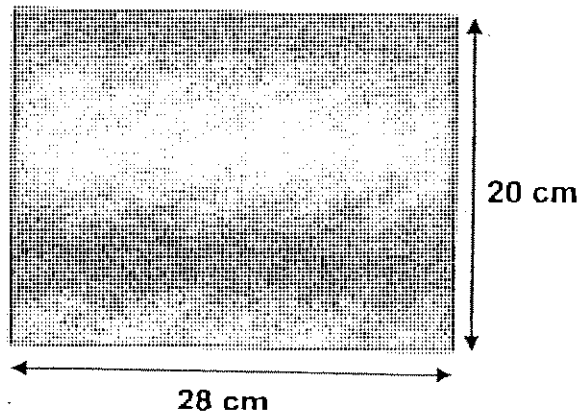
- (1) 30 248
- (2) 34 208
- (3) 34 248
- (4) 34 308

4. 40 pupils in Primary 4 Unity shared a packet of sweets equally. 10 of them got a total of 50 sweets. How many sweets were left for the rest of the pupils?
- (1) 30
(2) 50
(3) 150
(4) 200
5. What is the sum of all the factors of 8?
- (1) 6
(2) 9
(3) 14
(4) 15
6. Linda changes her 2-dollar note for coins. If she gets two 10¢ coins and all the rest are 20¢ coins, how many 20¢ coins does Linda have?
- (1) 9
(2) 10
(3) 18
(4) 20
7. A dictionary costs \$2 more than a storybook. Andy paid \$74 for 2 dictionaries and 5 similar storybooks. Find the cost of a storybook.
- (1) \$10
(2) \$14
(3) \$36
(4) \$38
8. Find the area of 5 such squares.

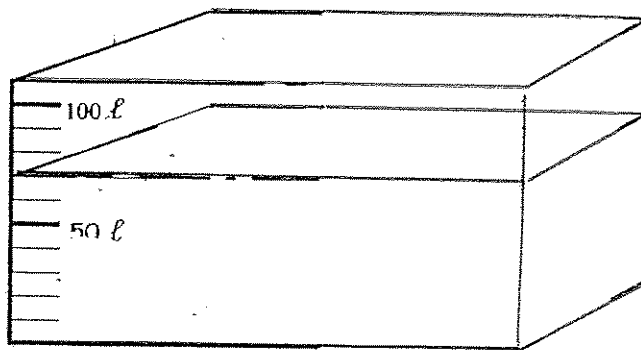
- (1) 9 cm^2
(2) 12 cm^2
(3) 45 cm^2
(4) 60 cm^2



9. Find the perimeter of the rectangle below.



- (1) 96 cm
(2) 96 cm²
(3) 560 cm
(4) 560 cm²
10. What is the new volume of the water in the tank if 15 ℓ of water has been scooped out of the tank?



- (1) 55 ℓ
(2) 70 ℓ
(3) 75 ℓ
(4) 85 ℓ

11. Kate made a blueberry pie. She ate $\frac{2}{7}$ of it while her sister ate $\frac{3}{14}$ of it.
What fraction of the pie was left?

(1) $\frac{9}{14}$

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

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

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

12. Which fraction is the greatest?

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

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

(3) $\frac{7}{10}$

(4) $\frac{11}{20}$

13. Reduce $\frac{32}{72}$ to its simplest form.

(1) $\frac{16}{36}$

(2) $\frac{8}{18}$

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

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

14. What must be added to $\frac{5}{12}$ to give $\frac{3}{4}$?

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

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

(3) $\frac{14}{12}$

(4) $\frac{8}{16}$

15. How many fifths are there in $1\frac{4}{5}$?

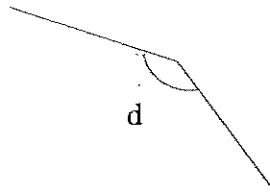
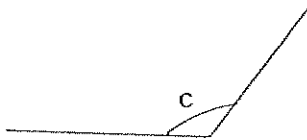
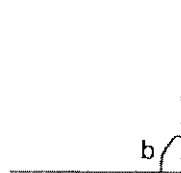
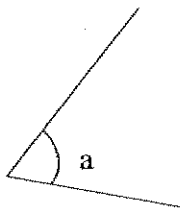
(1) 1

(2) 5

(3) 9

(4) 4

16. Which one of the following angles is a right angle?



(1) $\angle a$

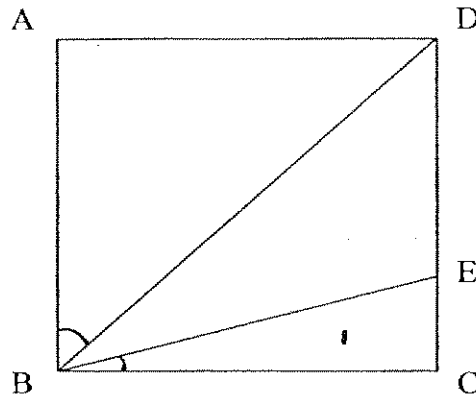
(2) $\angle b$

(3) $\angle c$

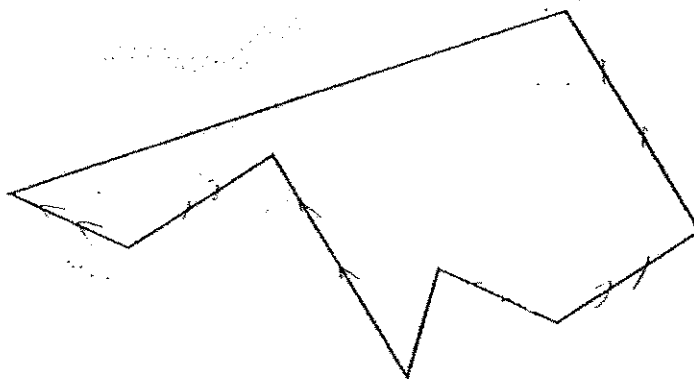
(4) $\angle d$

ABCD

17. Figure ABCE is a square. $\angle ABD$ is three times the size of $\angle EBC$. Find the $\angle DBE$.

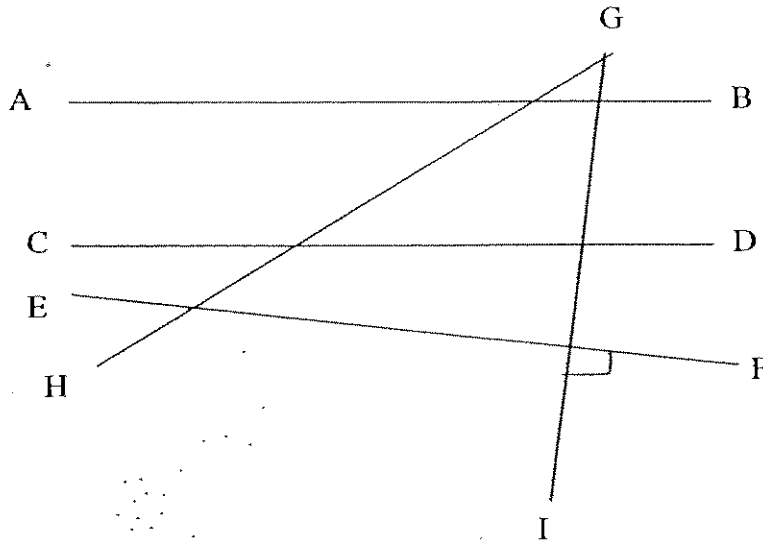


- (1) 60°
 - (2) 15°
 - (3) 30°
 - (4) 45°
18. How many pairs of parallel lines are there in this figure?



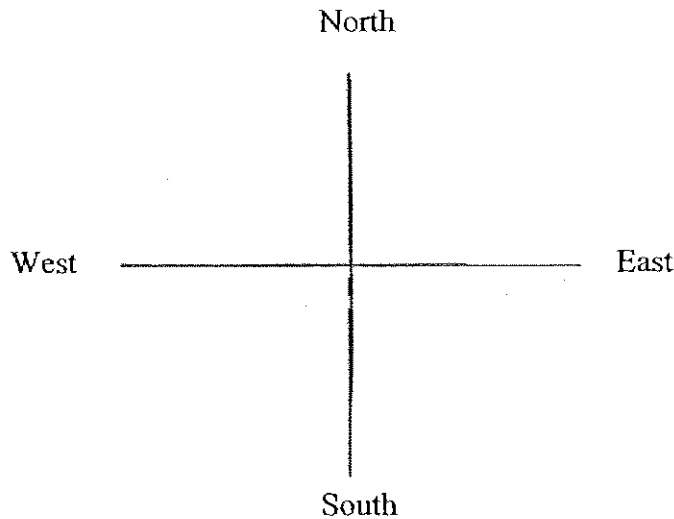
- (1) 1
- (2) 2
- (3) 3
- (4) 4

19. Which of the following is correct?



- (1) AB is perpendicular to CD
- (2) CD is perpendicular to GI
- (3) EF is perpendicular to GI
- (4) There are no perpendicular lines

20. Sheryl was facing the west direction. She turned 135° in the anticlockwise direction. What direction is she facing now?



- (1) North
- (2) North-East
- (3) South
- (4) South-East



Maha Bodhi School
2007 Semestral Assessment 1
Mathematics

Name : _____ ()

Class : Pr 4 _____

Duration : 1 h 45 min

Date : 9 May 2007

Parent's Signature : _____

Section A (40 marks)	
Section B (40 marks)	
Section C (20 marks)	
Total (100 marks)	

BOOKLET B

Section B (40 marks)

Questions 21 to 40 carry 2 marks each.

Write your answers in the boxes provided. Give your answers in the units stated.

Show your working in the space provided. Marks will be awarded for correct method shown.

21. The smallest possible 5-digit even number that can be formed with the digits 6, 5, 0, 8, 1 is _____.

22. There are 9 boys. Each of them has 136 cookies. How many cookies do they have altogether?

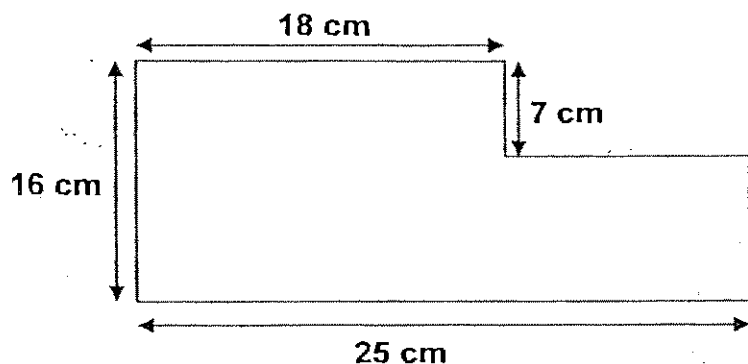
23. Four boys are trying to arrange themselves in order from the oldest to the youngest.
 Thomas is older than Peter.
 Peter is older than John.
 Jack is older than Thomas.
 Arrange the boys in order from the oldest to the youngest.

24. A number is between 20 and 30. It is also a multiple of 3. When it is divided by 6, there is no remainder. What is the number?

25. What is the answer when you divide 45 795 by 5?

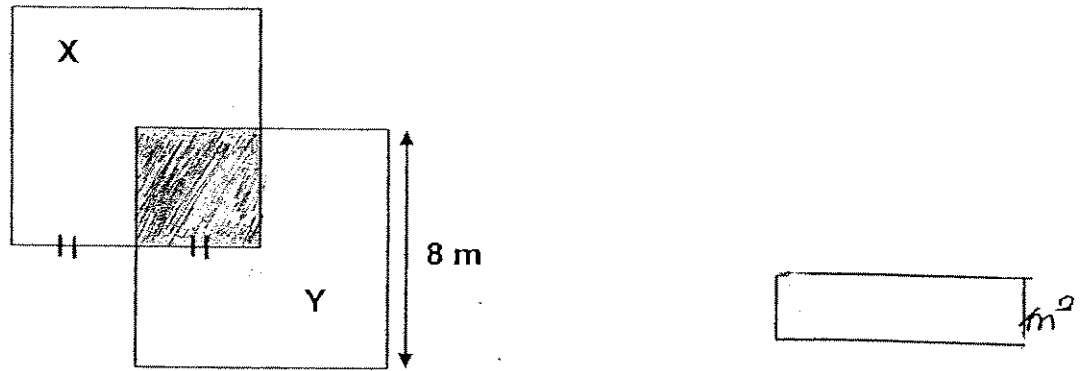
26. Linda is given \$1.80 daily for school. She spends 50¢ on a plate of noodles, 30¢ on a cup of soya bean drink and saves the rest. If she spends the same amount daily, how many days does it take for her to save \$20?

27. What is the perimeter of the figure below?

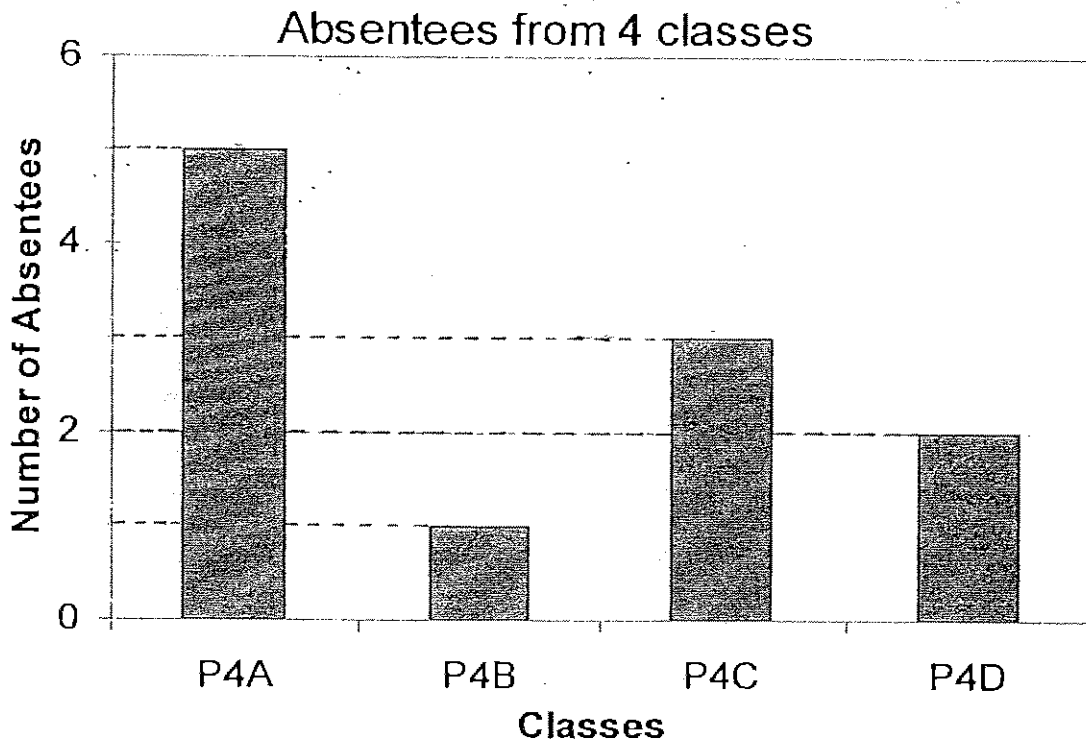


28. $2 \text{ kg } 125 \text{ g} + 5 \text{ kg } 880 \text{ g} = \underline{\hspace{1cm}} \text{ kg } \underline{\hspace{1cm}} \text{ g}$

29. In the figure, X and Y are identical squares overlapping each other. The length of each side of the shaded region is half the length of Square X. What is the area of the shaded part?



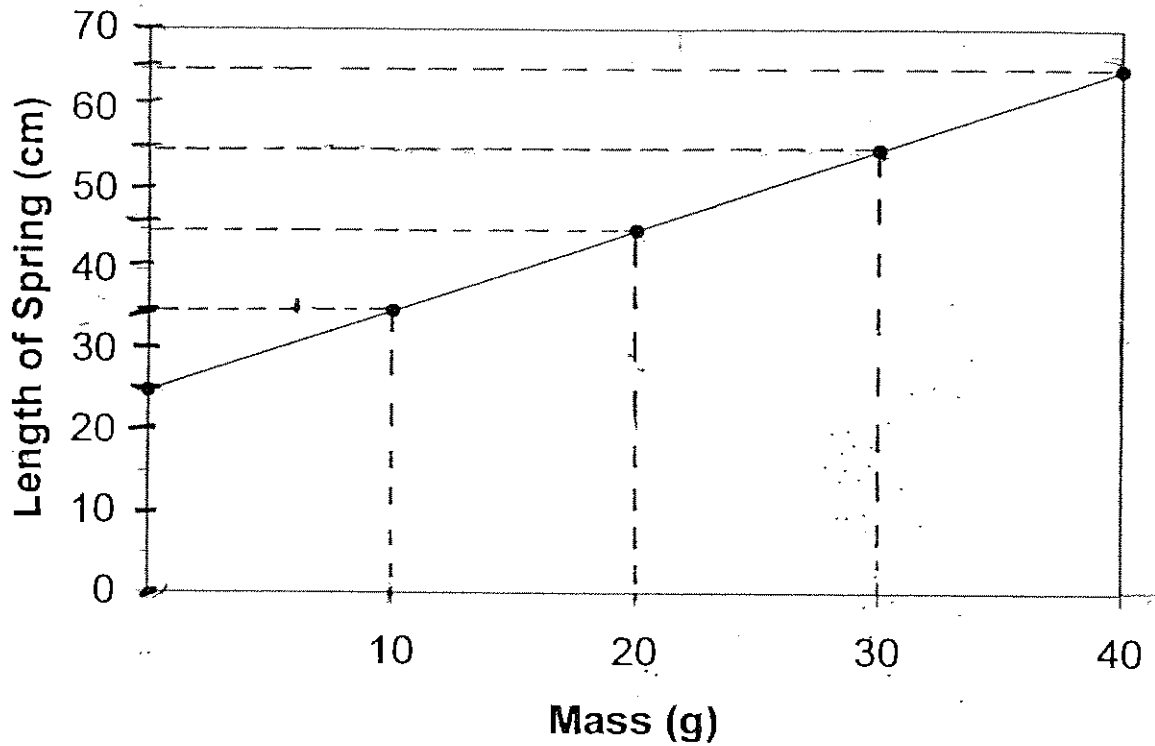
The bar graph below shows the number of pupils who were absent from class on Monday. Study the graph and answer Question 30.



30. If the total number of pupils in the 4 classes is 160, how many pupils were present on Monday?

pupils

The line graph below shows the length of a spring when various masses are hung on it. Study the graph and answer Questions 31 and 32.



31. What is the length of the spring when it is not stretched?

32. What would the length of the spring be when a mass of 50g of mass is hung on it?

33. Mr and Mrs Chan and their two children want to go on a holiday to Taiwan. The table below shows the prices offered by 2 travel agencies, ABC Travel and Dream Holiday.

5D4N Taiwan Discovery

	Adult Fare (\$)	Child fare (\$)
ABC Travel	880	560
Dream Holiday	940	480

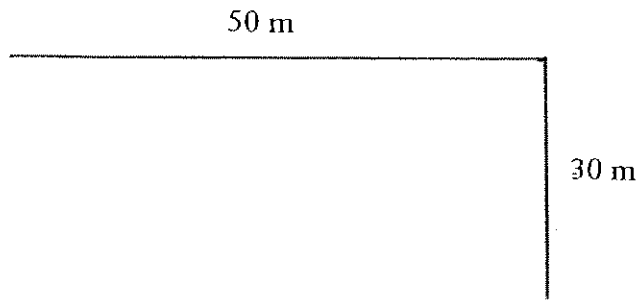
Which travel agency offers a cheaper price?

34. $3 - \frac{1}{2} - 1\frac{2}{8} = 1\frac{\square}{4}$

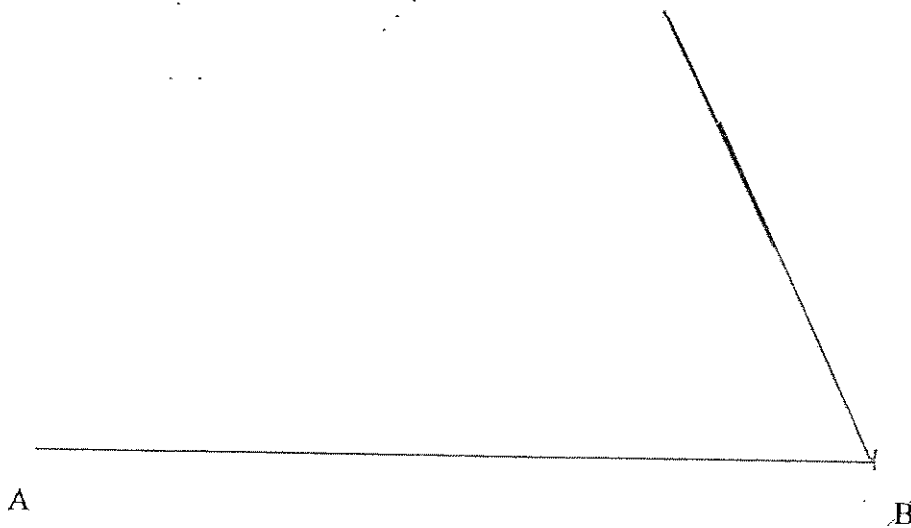
35. Form the smallest mixed number with the digits 9, 3 and 5.

36. Jerald has 36 marbles. He gave $\frac{1}{3}$ of his marbles to his friend. How many marbles did he have left?

37. Mr Ben would like to place vertical sticks 10 m apart on the perimeter of his farm. How many vertical sticks does he need?

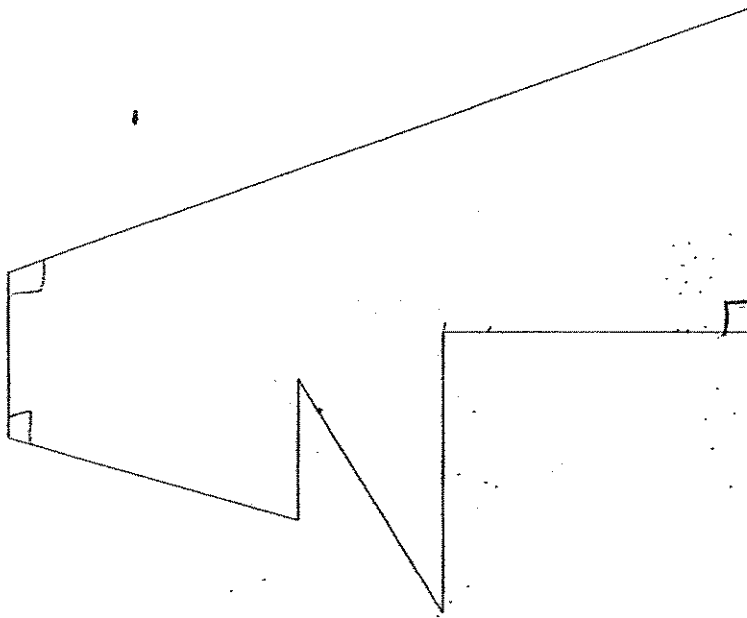


38. A line AB has been drawn for you. Using a protractor, draw an angle such that $\angle ABC = 65^\circ$. Label the angle drawn.



39. Find the sum of 3 right angles.

40.



How many angles ^{inside} the figure shown above are greater than 90° ?

Section C (20 marks)

Questions 41 to 45 carry 4 marks each.

Show your working clearly in the space below each question.

Write a statement for each step.

41. Gary had 324 stickers. He had 3 times as many stamps as stickers. He gave his brother a total of 150 stamps. How many stickers and stamps were left?

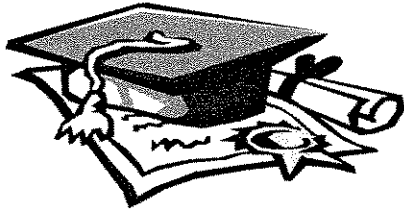
42. Mayor is 35 years old. He is 7 times as old as his daughter. His daughter is 4 years younger than his son. How old was mayor when his son was born?

43. A carton of mandarin oranges costs \$24.
- How much does Mr Lim have to pay for 12 cartons of mandarin oranges?
 - Mr Lim sold each carton for \$35. How much did he make from selling the 12 cartons of mandarin oranges?
44. A box with 5 similar laptops has a mass of 10 kg 650 g. Find the mass of a laptop if the box has a mass of 550 g. Express your answer in kilograms and grams.

45. Kate had some beads. $\frac{3}{8}$ of the beads were red and the rest were blue. She had 45 blue beads.
- (a) How many red beads did she have?
 - (b) How many beads did she have altogether?



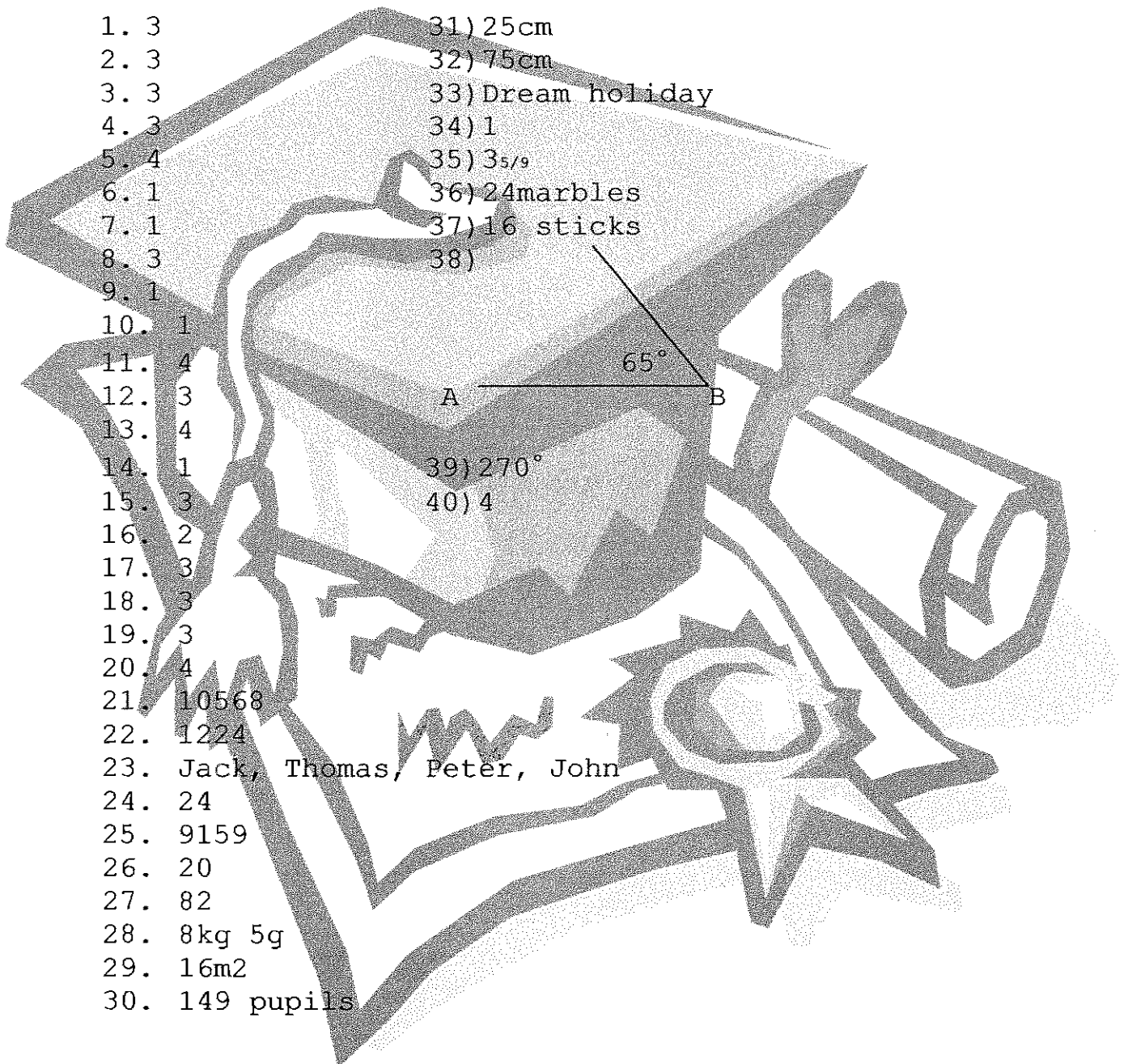
Remember to check your work!
Every mark counts.



ANSWER SHEET

MAHA BODHI PRIMARY SCHOOL - PRIMARY 4 MATHEMATICS 2007
SEMESTRAL ASSESSMENT (1)

1. 3
 2. 3
 3. 3
 4. 3
 5. 4
 6. 1
 7. 1
 8. 3
 9. 1
 10. 1
 11. 4
 12. 3
 13. 4
 14. 1
 15. 3
 16. 2
 17. 3
 18. 3
 19. 3
 20. 4
 21. 10568
 22. 1224
 23. Jack, Thomas, Peter, John
 24. 24
 25. 9159
 26. 20
 27. 82
 28. 8kg 5g
 29. 16m²
 30. 149 pupils
- 31) 25cm
- 32) 75cm
- 33) Dream holiday
- 34) 1
- 35) $3\frac{5}{9}$
- 36) 24 marbles
- 37) 16 sticks
- 38)
- 39) 270°
- 40) 4



41) $324 \times 3 = 972$

He had 972 stamps

$$972 - 150 = 822$$

He had left 822 stamps

$$822 + 324 = 1146$$

1146 stickers and stamps were left.

42) $35 \div 7 = 5$

His daughter was 5 years old

$$5 + 4 = 9$$

His son was 9 years old

$$35 - 9 = 26$$

Mayor was 26 years old when his son was born.

43) a) $12 \times 24 = 228$

Mr Lim has to pay \$228 for 12 cartons of mandarin oranges.

b) $35 \times 12 = 420$

He made \$420 from selling the 12 cartons of mandarin oranges.

$$\$420 - \$288 = \$132$$

He earned \$132.

44) $10650g - 550 = 10100g$

The mass of 5 laptops is 10110g

$$10110 \div 5 = 2020g$$

The mass of 1 laptop is 2kg 20g

45) a) $45 \div 5 = 9$

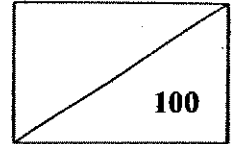
$$9 \times 3 = 27$$

She had 27 red beads

b) $9 \times 8 = 72$

She had 72 beads altogether.

HENRY PARK PRIMARY SCHOOL
MID-YEAR EXAMINATION 2007
MATHEMATICS
PRIMARY 4



NAME: _____ ()

DATE: _____

CLASS: Pri 4 _____

DURATION: 1 h 45 min

Section A : (15 x 2 marks = 30 marks)

Read each question carefully. For each question, there are 4 options given.
Choose the correct answer and write the number in the brackets provided.

1. In 32 916, the digit '2' is in the _____ place.

- (1) tens
- (2) hundreds
- (3) thousands
- (4) ten thousands

()

2. What is the product of 812 and 26?

- (1) 20 012
- (2) 20 112
- (3) 21 102
- (4) 21 112

()

3. Express $\frac{21}{4}$ as a mixed number.

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

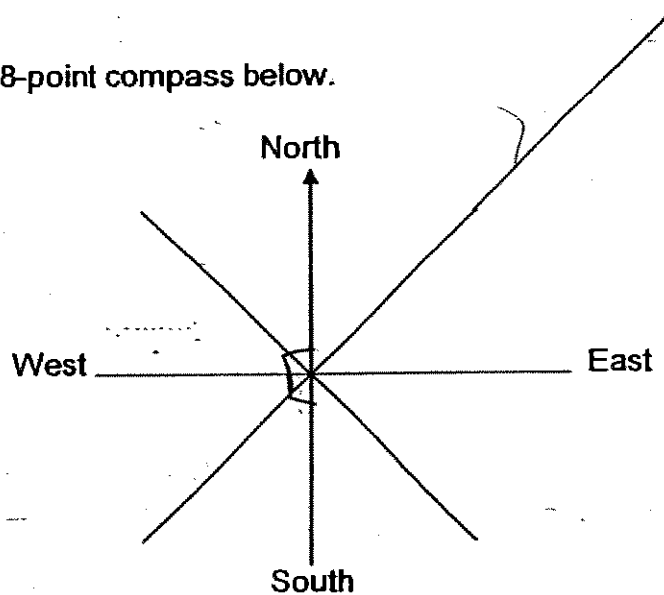
(2) $4\frac{1}{2}$

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

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

()

4. Look at the 8-point compass below.



Mrs Tan is facing south. If she turns in a clockwise direction, find the angle that she needs to turn to face north-east.

(1) 45°

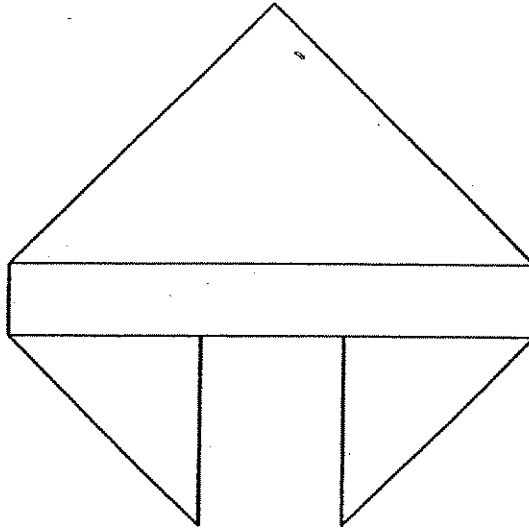
(2) 135°

(3) 225°

(4) 315°

()

5. How many pairs of parallel lines are shown in the figure below



- (1) ~~8~~ 7
 (2) 5
 (3) 3
 (4) 49

()

6. Look at the number pattern below.

51 969, 53 019, , 55 119, 56 169

What is the missing number in the box?

- (1) 54 059
 (2) 54 069
 (3) 54 159
 (4) 54 169

()

7. The table below shows the distance Mrs Lim swims in 4 days.

Day	1	2	3	4
Distance (m)	250	500	1000	...

What is the total distance she would have swum in 4 days?

- (1) 1 250 m
- (2) 1 500 m
- (3) 3 000 m
- (4) 3 750 m

()

8. Wee Kiat bought 11 packets of straws. If each packet contained 88 straws, how many straws did he buy altogether?

- (1) 8
- (2) 77
- (3) 99
- (4) 968

()

9. There were 120 children at a party. If 30 boys attended the party, what fraction of the children were girls?

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

()

10. Which one of the following has the greatest value?

(1) $\frac{1}{2}$ of 16

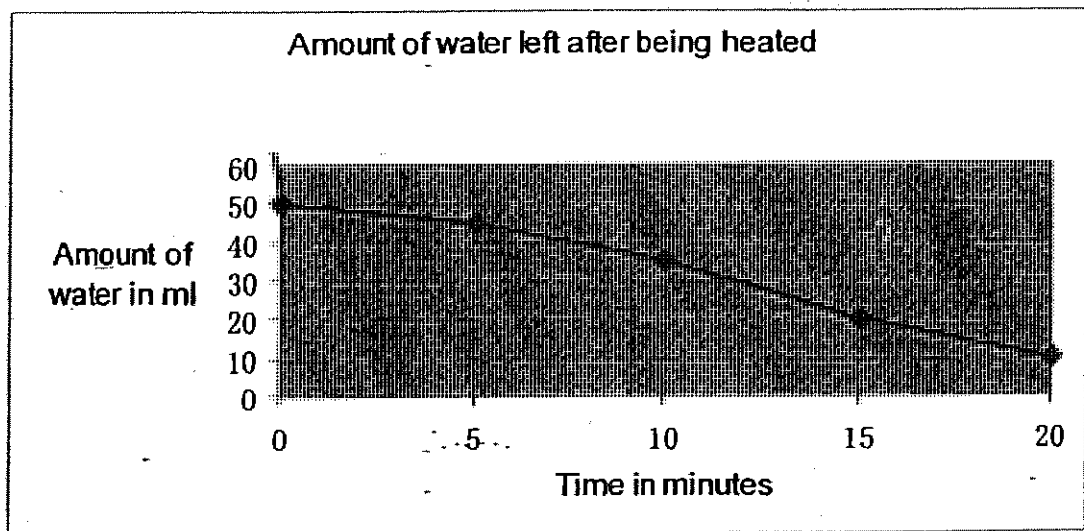
(2) $\frac{1}{4}$ of 12

(3) $\frac{1}{8}$ of 32

(4) $\frac{1}{9}$ of 18

()

11. The line graph below shows the amount of water left in a beaker when being heated. Study the graph and answer the question carefully.

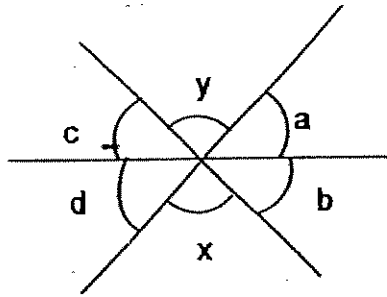


Which period of time did the quantity of water decrease the most?

- (1) 0 min – 5 min
- (2) 5 min – 10 min
- (3) 10 min – 15 min
- (4) 15 min – 20 min

()

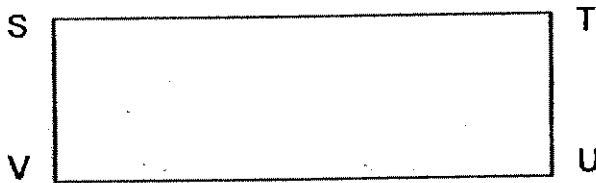
12. The following diagram is made up of 3 straight lines.
 If $\angle a = \angle b = \angle c = \angle d = 45^\circ$, then $\angle y + \angle c = \underline{\hspace{2cm}}^\circ$.
 (Note : The angles are not drawn to scale.)



- (1) 45°
- (2) 90°
- (3) 135°
- (4) 180°

()

13. Look at the rectangle STUV shown below.



Which one of the following statements is incorrect?

- (1) ST is parallel to UV
- (2) SV is a horizontal line
- (3) UV is perpendicular to TU
- (4) The angle formed by the line VS and TS is a right angle

()

14. Sean has 670 stickers. Glen has 3 times as many stickers as Sean. How many stickers must Glen give Sean so that they will have the same number of stickers?

- (1) 335
- (2) 670
- (3) 1 005
- (4) 1 340

()

15. Regina finished reading $\frac{1}{2}$ of her story book on Monday. The next day she continued reading from page 34. What was the total number of pages in her story book?

- (1) 66
- (2) 67
- (3) 68
- (4) 69

()

Section B : (20 x 2 marks = 40 marks)

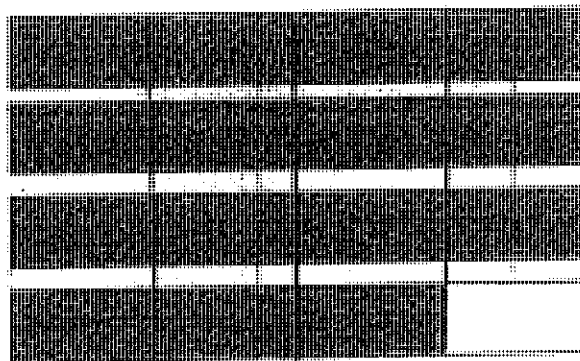
Read the questions carefully and write the correct answer in the boxes provided. Show all workings clearly.

16. Write 92 041 in words.

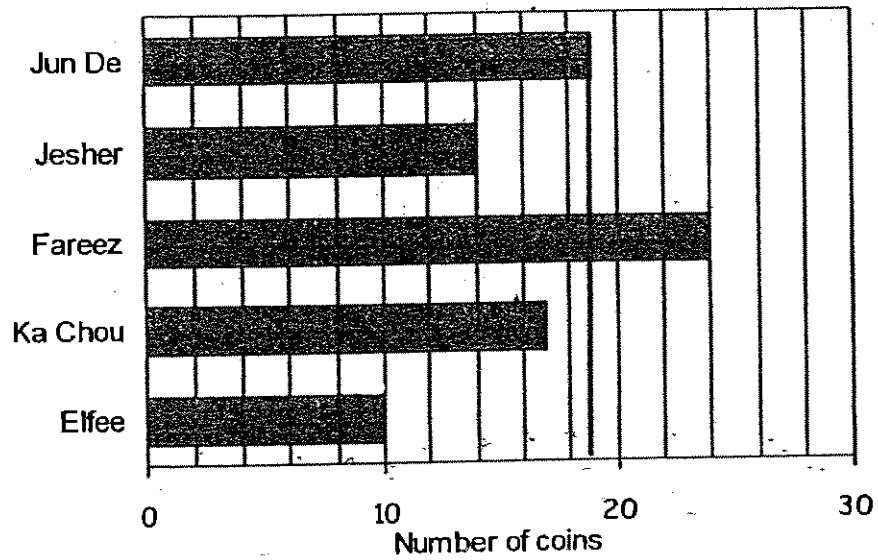
17. What is 50 tens \div 10?

18. Find the sum of $\frac{3}{4}$ and $\frac{5}{12}$. Express your answer in the simplest form.

19. Write an improper fraction for the following figure.

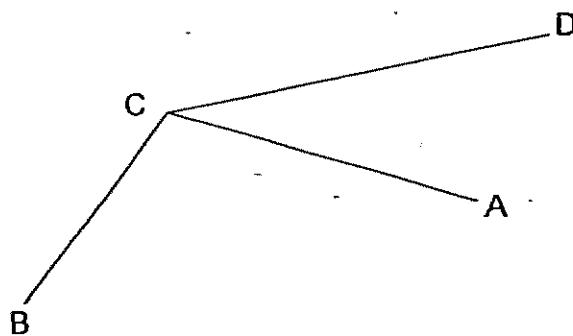


The bar graph shows the number of coins 5 boys have. Study the graph carefully and answer question 20.

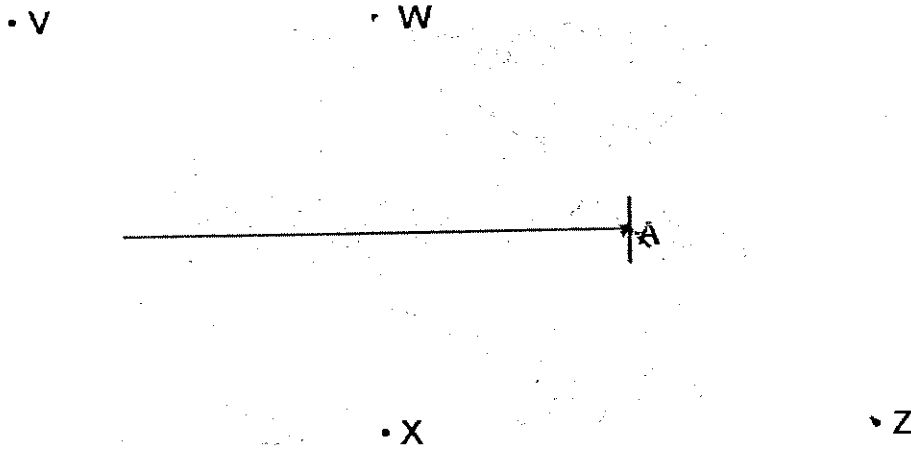


20. How many coins do the boys have altogether?

21. Measure $\angle ACB$ with a protractor.



22. Draw a line to create an angle of 140° at point A. Your line must pass through either points V, W, X or Z.



23. Draw a line perpendicular to PQ through the point M.



24. How many thirds are there in $4\frac{3}{9}$?

25. List all the common factors of 12 and 28.

26. Rachel earned \$2 015 last month. She earned \$3 748 this month. How much money did she earn altogether? Round off your answer to the nearest hundred.

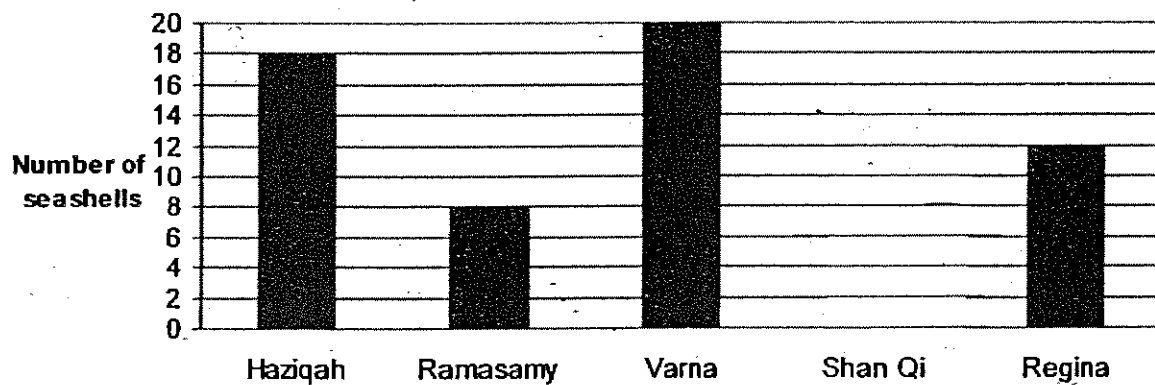
27. What is the remainder when 6 381 is divided by 7?

28. Jun Ren had a packet of chocolates. Muhammad took $\frac{2}{3}$ of the packet of chocolates and Syakir took $\frac{1}{9}$ of it. What fraction of the packet of chocolates was left?

29. Mrs Tan spent $\frac{1}{10}$ of her savings on a sofa and $\frac{2}{5}$ of it on some furniture. She still had \$ 5000 left. How much money did she spend on the furniture?

30. Jian Qing made 60 paper stars. He gave $\frac{7}{12}$ of them to his sister. How many paper stars had he left?



Haziqah, Ramasamy, Varna, Shan Qi and Regina collected some seashells on the beach. The graph below shows the number of seashells collected by the 5 children. Study the graph and answer questions 31 and 32.





31. If the 5 children collected 72 seashells altogether, complete the graph shown above to show the number of seashells that Shan Qi had collected.
32. How many seashells must Varna give to Ramasamy so that both of them will have an equal number of seashells?

seashells

33. Emily made 4283 curry puffs. She wants to pack them all in boxes. If each box can contain 8 curry puffs, how many boxes will she need to pack them all?

34.  X  = 64

 X 70 = 

Find the value of 

35. What is the missing number in the box?

		3	4	7	4
	X		<input style="width: 30px; height: 15px;" type="text"/>	3	
		1	0	4	2
+		6	9	4	8
		7	9	9	0
		7	9	9	0

Section C : (30 marks)

Read the following problem sums carefully. You may draw models to help you. Show all workings clearly in the spaces provided.

36. 12 groups of children went to the beach. There were 10 boys and 20 girls in each group. How many children went to the beach altogether?
(3 marks)

37. A shopkeeper has 3 878 pencils. He sold 36 pencils and packed the remaining number of pencils into bundles of five. How many pencils would not be packed?
(3 marks)

38. Niken has some cows and chickens on his farm. There are five more chickens than cows. If there are 148 legs altogether, how many chickens are there? (4 marks)

39. Berlindia bought $1\frac{3}{4}$ kg of prawns. Jai Yi bought $\frac{1}{2}$ kg of prawns less than Berlindia and Sadana bought $\frac{5}{8}$ kg more than Jai Yi. How many kilograms of prawns did Sadana buy? (4 marks)

40. Min Jee and Belancia had 2 075 seashells altogether. Min Jee had 217 more seashells than Belancia. How many seashells did Min Jee have?
(4 marks)

41. Nurasha baked some cookies. $\frac{1}{6}$ of them were chocolate cookies; $\frac{5}{12}$ were vanilla cookies and the rest were strawberry cookies. If there were 60 more vanilla cookies than chocolate cookies, how many cookies did she bake altogether? (4 marks)

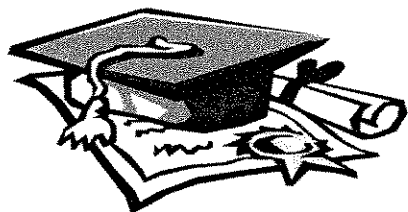
42. At first, Amos had four times as much money as Iyan. After Iyan received \$10 from his father, Amos had only twice as much money as Iyan. How much money did both boys have in the end? (4 marks)

43. Bryan spent $\frac{2}{5}$ of his pocket money on food and bought 5 pencils at 40¢ each. He then had \$10 left.

(a) How much did he receive as pocket money? (3 marks)

(b) What fraction of his money did he spend on the pencils?
(Express your answers in the simplest form.) (1 mark)

Setters: Mdm Sally Heng
Mr Saifullizan Almashor



ANSWER SHEET

HENRY PARK PRIMARY SCHOOL - PRIMARY 4 MATHEMATICS 2007
SEMESTRAL ASSESSMENT (1)

- 1. 3
- 2. 4
- 3. 4
- 4. 3
- 5. 4
- 6. 3
- 7. 4
- 8. 4
- 9. 3
- 10. 1
- 11. 3
- 12. 3
- 13. 2
- 14. 2
- 15. 1

- 24) 13 thirds
- 25) 1, 2 and 4
- 26) \$5800
- 27) 4
- 28) 2/9
- 29) \$4000
- 30) 25
- 31) 14
- 32) 6 seashell
- 33) 536
- 34) 560
- 35) 2

16. Ninety-two thousand and forty one

17. 50

18. $7/6$

19. $15/4$

20. 84

21. 110°

22.

36) boys $\rightarrow 10 \times 12 = 120$

girls $\rightarrow 20 \times 12 = 240$

Total $\rightarrow 240 + 120 = 360$

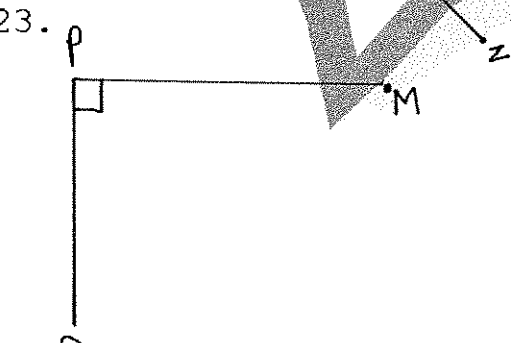
360 children went to the beach altogether.

37) left $\rightarrow 3878 - 36 = 3842$

$3842 \div 5 = 768R2$

2 pencils would not be Packed.

23.



38) $5 \times 2 = 10$

$148 - 10 = 138$

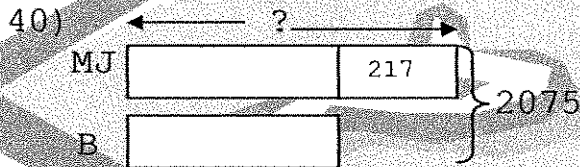
$138 \div 6 = 23$ cows

$23 + 5 = 28$ chickens

39) Jai Yi $\rightarrow 1\frac{3}{4}\text{kg} - \frac{1}{2}\text{kg} = 1\frac{3}{4} - \frac{2}{4}\text{kg} = 1\frac{1}{4}\text{kg}$

Sadana $\rightarrow 1\frac{1}{4}\text{kg} + \frac{5}{8}\text{kg} = 1\frac{7}{8}\text{kg}$

Sadana bought $1\frac{7}{8}\text{kg}$ of prawns

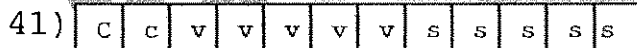


$$2075 - 217 = 1858$$

$$1858 \div 2 = 929$$

$$929 + 217 = 1146$$

Min Jee had 1146 seashells.



$$5u - 2u = 3u$$

$$3u \rightarrow 60$$

$$1u \rightarrow 60 \div 3 = 20$$

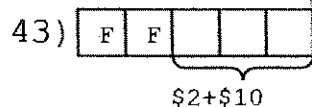
$$12u \rightarrow 12 \times 20 = 240$$

She baked 240 cookies altogether.



$$6 \times \$10 = \$60$$

Both boys had \$60 in the end.



a) $5 \times 40\text{¢} = 200\text{¢} = \2

$$3u = \$2 + \$10 = \$12$$

$$1u = \$12 \div 3 = \$4$$

$$5u = 5 \times \$4 = \$20$$

He received \$20 as pocket money.

b) $\$2 / \$20 = 1/10$

He spent $1/10$ of his money on the pencils.



**Anglo-Chinese School
(Primary)**

**MID-YEAR EXAMINATION 2007
MATHEMATICS**

Booklet A

Name: _____

Class: Primary 4_

Date: 8 May 2007

Duration of Booklet A & B: 1 h 45 min

**THIS BOOKLET CONTAINS PAGE 1 to 4.
DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.
FOLLOW ALL INSTRUCTIONS CAREFULLY.**

Section A (10 questions x 2 marks each)

For each question from 1 to 10, 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. Which of the following has the same value as 5000?

- (1) 50 tens
- (2) 500 tens
- (3) 500 hundreds
- (4) 5000 thousands

2. What is 32 451 when it is rounded off to the nearest 100?

- (1) 32 000
- (2) 32 400
- (3) 32 450
- (4) 32 500

3. Which of the following is a common multiple of 3 and 8?

- (1) 11
- (2) 12
- (3) 16
- (4) 48

4. What is the sum of all the factors of 9?

- (1) 4
- (2) 12
- (3) 13
- (4) 16

5. What is the product of 16 and 52?

- (1) 354
- (2) 364
- (3) 825
- (4) 832

6. What is the quotient of $837 \div 4$?

- (1) 20
- (2) 29
- (3) 201
- (4) 209

7. Karl gave $\frac{2}{5}$ of his stamps to Jim and had 90 stamps left in his collection.

How many stamps did Karl have at first ?

- (1) 60
- (2) 126
- (3) 150
- (4) 180

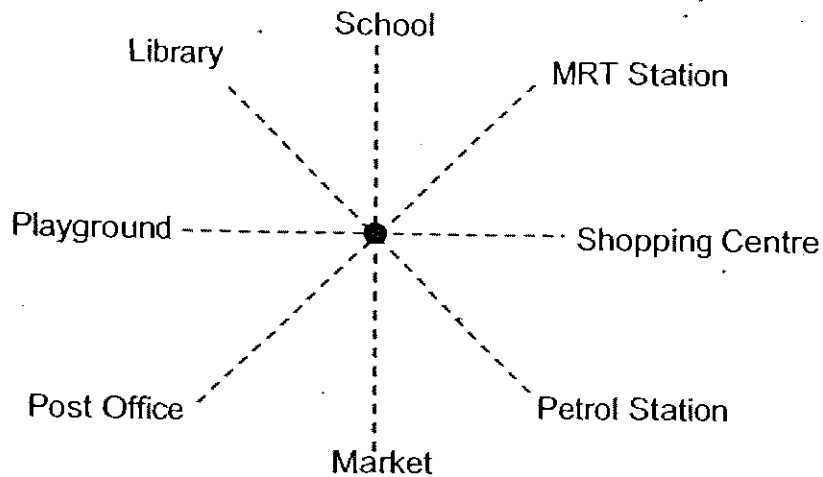
8. What is $\frac{15}{6} + \frac{5}{6}$?

- (1) $\frac{20}{12}$
- (2) $1\frac{2}{3}$
- (3) $2\frac{1}{2}$
- (4) $3\frac{1}{3}$

9. Jim's mass is $\frac{3}{4}$ of his father's mass. If his father weighs 76kg, what is their total mass?

- (1) 19 kg
- (2) 38kg
- (3) 57kg
- (4) 133kg

10. The diagram below shows the different places in Hopeful Town. (Diagram not drawn to scale)



Phillip is standing at the spot marked with ● and facing the MRT Station. What will he face if he turns 90° anti-clockwise?

- (1) School
- (2) Library
- (3) Post Office
- (4) Petrol Station



**Anglo-Chinese School
(Primary)**

**MID-YEAR EXAMINATION 2007
MATHEMATICS**

Booklet B

Name: _____

Class: Primary 4

Date: 8 May 2007

Duration of Booklet A & B: 1 h 45 min

Section	Contents	Marks	Marks Obtained
A	Multiple Choice Questions	20	
B	Short Answers	40	
C	Problem Sums	40	
Total Marks		100	
Parent's signature			

**THIS BOOKLET CONTAINS PAGE 5 to 17.
DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.
FOLLOW ALL INSTRUCTIONS CAREFULLY.**

Section B (20 questions x 2 marks each)

Write the correct answers in the spaces provided.

(Give your answers in the units required and in its simplest form wherever possible.)

11. Form the smallest 5-digit even number using the digits 2, 7, 9, 0, 6.

12. I am a 4 digit number...

All my digits are odd.

The sum of my digits is less than 21.

The value of the digit in the ones place is three times the value of the digit in the hundreds place.

I am 1380 when rounded to the nearest ten.

What number am I?

13. What is the difference in value between the digits in the thousands place and the tens place in 56 789?

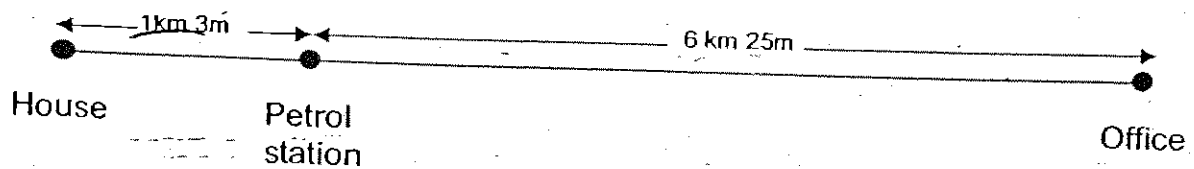
14. Samuel is 7 years old. His sister, Sarah, is twice as old as him. Their father is 4 times as old as Sarah. How old is their father?

_____ years old

15. An air ticket to Africa costs \$1806. How much will George have to pay if he wants to pay for the air tickets for his family of 4?

\$ _____

16. Mr Chan drove his car from his house to his office. What is the total distance that he drove from his house to his office? Express your answer in metres.



_____ m

17. The total capacity of 2 containers is 900ml. If the capacity of the first container is half of the second container. what is the capacity of the second container?

ml

18. A shirt and a pair of shorts cost \$50. If the shirt costs \$16 less than the pair of shorts, how much does the pair of shorts cost?

19. Kelvin earned \$3 500 in June. He spent \$1 800 on a computer and \$250 on transport. He spent \$270 more on food than on transport and saved the rest. How much did Kelvin save in the month of June?

20. The table below shows the number of passengers taking buses from the bus terminal at 6.00 a.m. on a Monday morning.

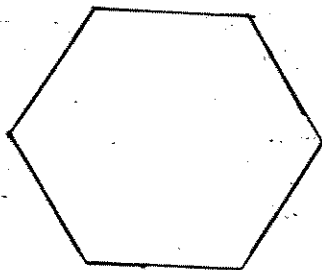
	Bus A	Bus B	Bus C
Number of passengers	11	14	10

What fraction of the passengers take Bus A and Bus C on a Monday morning?
Express your answer in the simplest form.

21. Arrange the following fractions in ascending order.

$$5\frac{1}{2}, 5, 5\frac{1}{5}, 5\frac{1}{4}$$

22. How many pairs of parallel lines are there in the figure below?

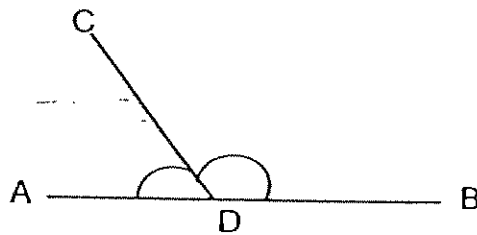


23. Fill in the number in the missing blank

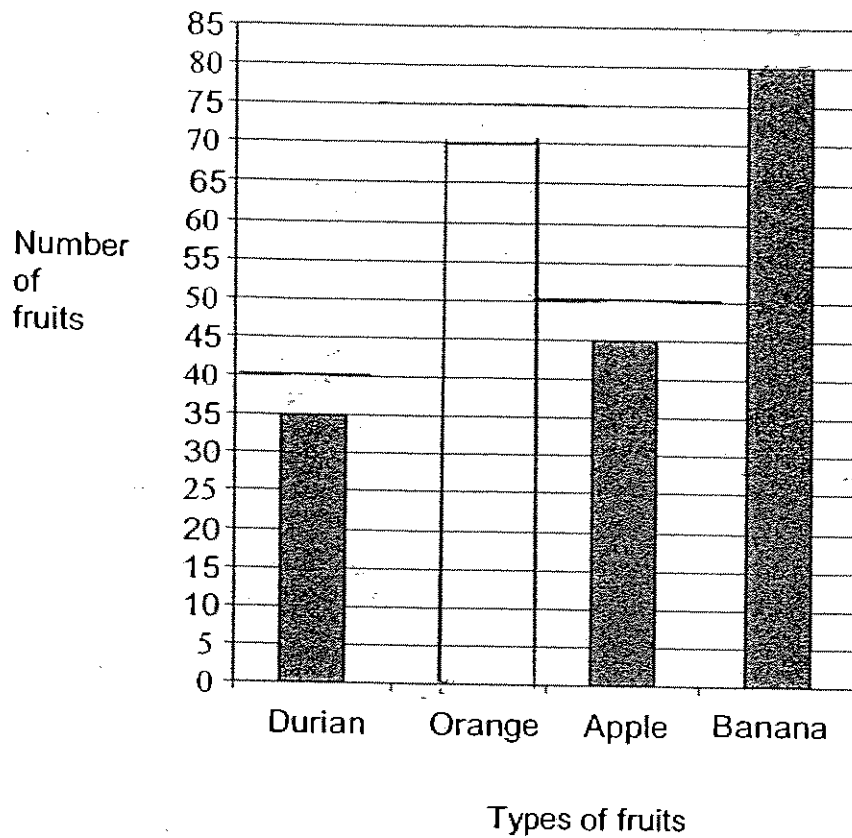
$$56 \times 12 = \underline{\hspace{2cm}} \times 4$$

24. How many complete turns make 12 right angles?

25. Look at the figure below. ADB is a straight line. Name the angle that is more than 90° .



The bar graph shows the number of people who bought fruits from Mr Kim. Use the information from the graph to answer questions 26 and 27.



26. If the number of people who bought oranges is twice the number of people who bought durians, how many people bought oranges?

27. Mr Kim sells 5 apples for \$1 and a comb of bananas for \$2. Find the amount of money Mr Kim received from the sale of bananas and apples.

28. Joe left for school at 5.45 a.m. He waited for the bus for 20 minutes and the bus journey took 35 minutes. What time did he reach his school?

_____ a.m.

29. Ali has 10 cats and birds. The animals have a total of 28 legs. How many cats does he have?

30. A boat can carry 9 passengers across a river. There are 164 passengers waiting to cross the river. How many boats are needed to ferry all the passengers at the same time?

Section C (10 questions x 4 marks each)

Write your answers to questions 31 to 40 in the spaces provided. Show your working clearly. (Give your answers in the units required and in its simplest form wherever possible.)

31. Mrs Tan baked 45 trays of cookies. There were 37 cookies on each tray. Mrs Tan sold 589 of the cookies and kept the rest for her family. How many cookies did she keep for her family?

Answer: _____ (4m)

32. Peter has 420 stickers while Zoe has 4 times as many stickers as Peter. How many stickers must Zoe give to Peter so that he will have 400 stickers more than her?

Answer: _____ (4m)

33. A carton containing 10 similar bottles weighs 4000g. The same carton and 4 of the bottles weigh 1900g. Find the mass of the carton.

_____ (4m)

34. Mr Tan bought a table, a lamp and a computer for \$2231 altogether. The computer cost \$1245 more than the table. The lamp cost \$184 less than the table. How much did Mr Tan pay for the computer?

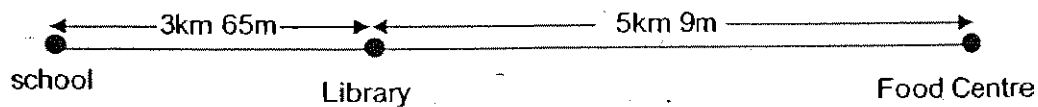
Answer: _____ (4m)

35. A pair of pants and two shirts cost \$161. A pair of pants costs \$7 less than a shirt. Find the cost of 1 pair of pants and 1 shirt.

Answer: _____ (4m)

36. School dismissal was at 1.00 p.m. Justin took 30 minutes to cycle from his school to the library. He spent 15 minutes in the library. He then took 45 minutes to cycle to the food centre for his lunch.

- a) What was the distance he cycled from school to the food centre?
 b) What time did he reach the 'food centre'?



a) _

b) _

37. Primary 4K intends to sell 900 muffins at the ACS carnival.
 $\frac{2}{5}$ of them are chocolate muffins and the rest are banana muffins and apple muffins. There are 60 fewer banana muffins than apple muffins.
How many banana muffins are there?

Answer: _____ (4m)

38. There are 9 lamp posts along Maple Street. Mr Lim takes 189 sec to walk from the first lamp post to the next. The distance between every 2 lamp posts is 145 m.
- a) What is the time taken for Mr Lim to walk from the first lamp post to the ninth lamp post? (Give your answer in seconds)
- b) What is the distance from the third lamp post to the last lamp post? (Give your answer in _____ m)

a) _____ (2m)

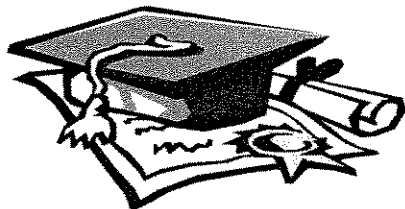
b) _____ (2m)

39. Timothy collected twice as many stamps as Kelvin. Jason collected the same number of stamps as Timothy. The three boys collected a total of 2280 stamps. How many stamps did Jason collect?

Answer: _____ (4m)

40. Andrew, Bernard and Cedric weighed themselves 2 at a time. Bernard and Cedric weighed 86 kg together. Andrew and Bernard weighed 132 kg. Andrew and Cedric weighed 120 kg. What is the total weight of all the boys?

Answer: _____ (4m)



ANSWER SHEET

A C S PRIMARY SCHOOL - PRIMARY 4 MATHEMATICS 2007
SEMESTRAL ASSESSMENT (1)

1. 2
2. 4
3. 4
4. 3
5. 4
6. 4
7. 3
8. 4
9. 4
10. 2
11. 20769
12. 1379
13. 5920
14. 56
15. \$7224
16. 7028m
17. 600ml
18. \$33
19. \$930
20. $\frac{3}{5}$
21. 5, $5\frac{1}{4}$, $5\frac{1}{5}$, $5\frac{1}{2}$
22. 3
23. 168
24. 3
25. $\angle CDB$
26. 70
27. \$169
28. 6.40a.m.
29. 4 cats
30. 19
- 31) $45 \times 37 = 1665$
 $1665 - 589 = 1076$
She kept 1076 cookies for her family.
- 32) $420 \times 4 = 1680$
 $1680 - 400 - 420 = 860$
 $860 \div 2 = 430$
 $400 + 430 = 830$
She must give 830 stickers.
- 33) $4000 - 1900 = 2100$
 $2100 \div 6 = 350$
 $350 \times 4 = 1400$
 $1900 - 1400 = 500$
The weight the carton is 500g.
- 34) $\$1245 + \$184 + \$184 = \1613
 $\$2231 - \$1613 = \$618$
 $\$618 \div 3 = \206
 $\$206 + \$184 + \$1245 = \1635
He paid \$1635 for the computer.
- 35) $\$7 \times 2 = \14
 $\$161 - \$14 = \$147$
 $\$147 \div 3 = \49
 $\$49 + \$7 = \$56$
 $\$56 + \$49 = \$105$
The cost is \$105

36) a) $3\text{km} + 65\text{m} + 5\text{km}9\text{m} = 8\text{km}74\text{m}$

The distance is 8km 74m

b) $13\text{hrs} + 30\text{min} + 15\text{min} + 45\text{min} = 13\text{h}90\text{min}$

$= 14\text{h}30\text{min}$

$= 2.30\text{pm}$

He reached the reach at 2.30pm

37) $900 \div 5 = 180$

$180 \times 2 = 360$

$900 - 360 = 540$

$540 - 60 = 480$

$480 \div 2 = 240$

There are 240 banana muffins.

38) a) $189 \times 8 = 1512\text{sec}$

b) $145 \times 6 = 870\text{m}$

39) $2280 \div 5 = 456$

$456 \times 2 = 912$

He collected 912 stamps.

40) $132 + 120 + 86 = 338$

$338 \div 2 = 169$

The total weight is 169 kg.

Name : _____ ()

Class : Primary 4 _____

CHIJ ST NICHOLAS GIRLS' SCHOOL



Primary 4

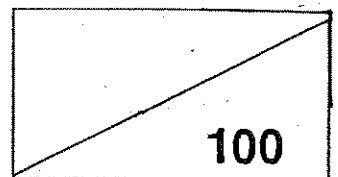
First Semestral Assessment – 2007

Mathematics

7 May 2007

Parent's signature: _____

Score :



Duration of Paper: 1 h 45 min

Do not open the booklet until you are told to do so
Follow all instructions carefully

99

SECTION A: (20 X 2 marks)

For each question, four options are given. One of them is the correct answer. Make your choice and shade the correct oval (1,2,3 or 4) on the Optical Answer Sheet. (Please use only 2B pencil and SHADE the oval completely.)

1. The digit 6 in 36 589 stands for _____.

- 1) 600 ones 2) 60 tens
3) 60 hundreds 4) 6 ten thousands

2. _____ is 20 000 less than 58 016.

- 1) 38 016 2) 56 016
3) 60 016 4) 78 016

3. A 5-digit number is made up of different even digits. Which of the following is the smallest possible answer?

- 1) 20 462 2) 20 468
3) 22 468 4) 22 684

4. All the factors of a number are given below :

1, 7 and .

What is the missing factor?

- 1) 28 2) 35
3) 44 4) 49

5. Mr Goh's monthly salary is \$2 500 when rounded off to the nearest hundred dollars. What is the greatest amount that Mr Goh could have earned each month?
- 1) \$2 449 2) \$2 499
3) \$2 501 4) \$2 549
6. Karin bought some stickers which were sold in sets of 7. How many stickers could she have bought?
- 1) 107 2) 112
3) 142 4) 156
7. How many numbers between 40 and 60 are multiples of 6?
- 1) 2 2) 3
3) 4 4) 5
8. 10 identical red pens cost \$25. If Mary has just enough money to buy 18 such pens, how much money does Mary have?
- 1) \$22.50 × 2) \$45
3) \$37.50 4) \$70
9. What is the best estimate for the product of 319 and 74?
- 1) 300 × 70 2) 320 × 80
3) 320 × 70 4) 400 × 70

10. Julie gets \$15 as pocket money in a day. How much will she get in 4 weeks?

- 1) \$60 2) \$105
3) \$420 4) \$460

11. The first common multiple of 4 and 6 is _____.

- 1) 1 2) 2
3) 12 4) 24

12. In Sunshine School, there are 25 Malays, 17 Indians and 15 Chinese. What fraction of the enrolment is non-Chinese?

- 1) $\frac{32}{57}$ 2) $\frac{14}{19}$
3) $\frac{17}{57}$ 4) $\frac{5}{19}$

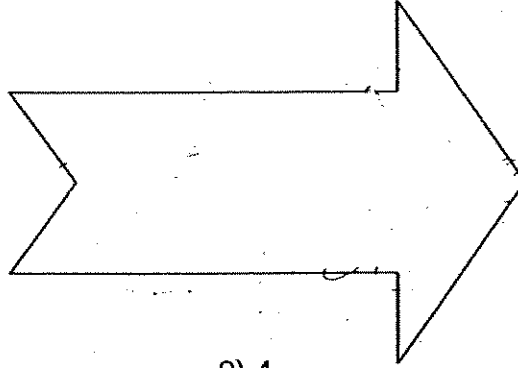
13. The table below shows the time taken by 5 children to complete a race.

Name of child	Time Taken
Susan	2min 35s
Liling	3min 28s
Geraldine	1min 59s
Chelsea	2min 47s
Marian	2min 8s

Who won the second prize in this event?

- 1) Chelsea 2) Geraldine
3) Liling 4) Marian

14. In the figure below, how many angles are **greater than** a right angle?



1) 2

2) 4

3) 5

4) 8

15. $5 - \frac{5}{8} = \underline{\hspace{2cm}}$

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

16. Find the missing numerator.

$$\frac{16}{24} = \frac{\square}{9}$$

1) 4

2) 6

3) 8

4) 10

17. Mary baked a strawberry cake and cut it into 10 equal pieces. She ate 2 pieces and gave her brother and mother 3 pieces each. What fraction of the cake was left?

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

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

3) $\frac{1}{5}$

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

18. Convert $\frac{18}{8}$ into a mixed number.

1) $1\frac{5}{8}$

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

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

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

19. Which of the following has the same value as $3 \times \frac{2}{3}$?

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

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

3) $\frac{3}{2} + \frac{3}{2} + \frac{3}{2}$

4) $\frac{2}{3} + \frac{2}{3} + \frac{2}{3}$

20. There was 2 l of water in a flask. Zenia spilt $\frac{3}{10}$ of it. How much water was left in the flask?

1) $\frac{3}{5}$ l

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

3) $1\frac{7}{10}$ l

4) $1\frac{2}{5}$ l

SECTION B: (18 x 2 marks)

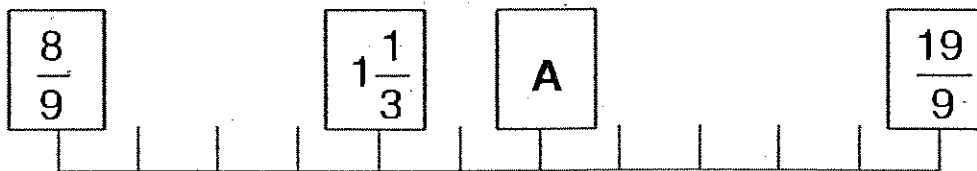
Write your answers in the blanks provided. Show your working clearly in the space provided for each question.

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21. What is the quotient when 7615 is divided by 4?

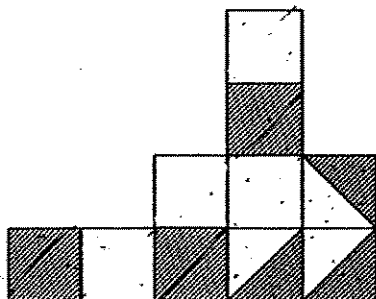
Ans: _____

22. The figure below shows a number line. Find the value of A.
(Express your answer as a mixed number)

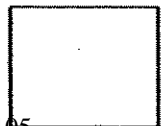


Ans: _____

23. How many more triangles must be shaded so that $\frac{3}{4}$ of the whole figure is shaded?



Ans: _____



105

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24. Find the sum of all the factors of 48.

Ans: _____

25. What is the sum of the first multiple of 15 and the sixth multiple of 7?

Ans: _____

26. I am a 2-digit even number which is less than 20.
I can be divided by 3 exactly.
If I am added to 3, I can be divided by 5 exactly.
What number am I?

Ans: _____

27. Eunice had 17 storybooks. If there were 205 pages in each storybook, how many pages were there altogether?

Ans: _____ pages

106

28. Mr Seet spent \$1 876 on a refrigerator and a washing machine. If the cost of the refrigerator is thrice the cost of the washing machine, find the cost of 2 such washing machines.

Do not write in this space

Ans: \$ _____

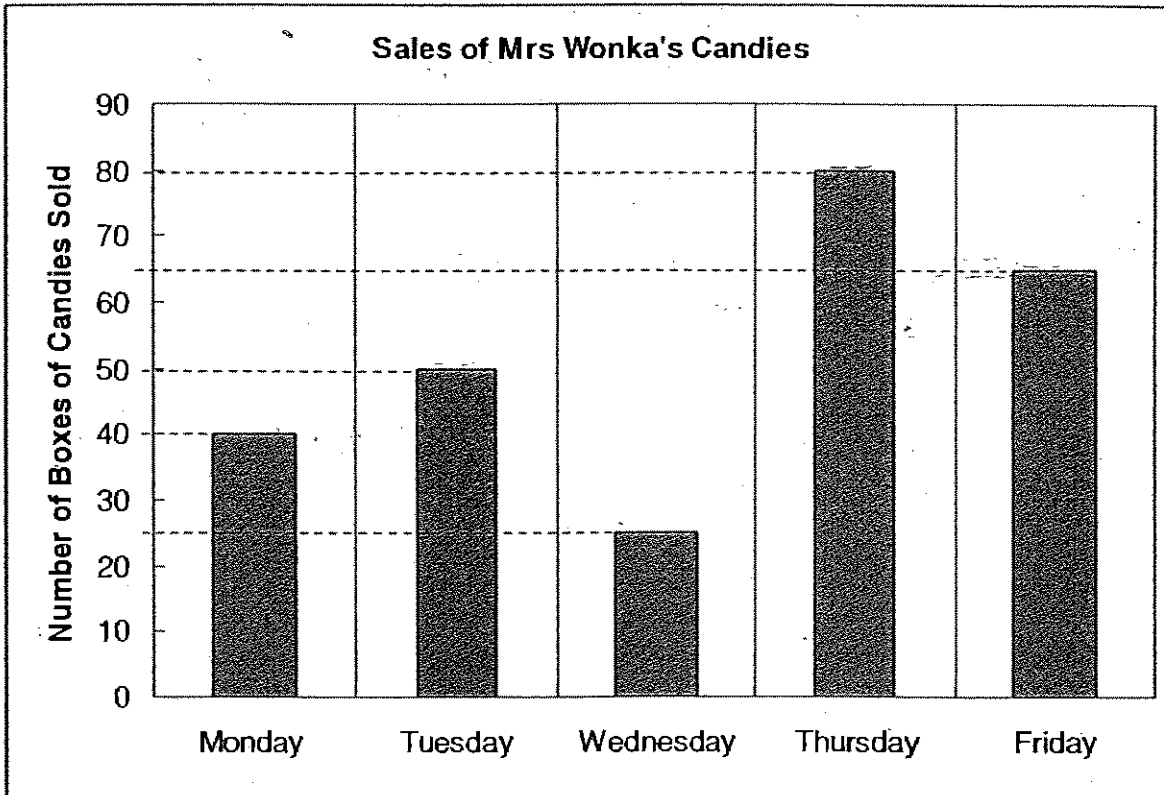
29. There are 56 men and 77 women in a toy factory. If each of them receives \$72 as salary a day, how much is their total salary a day? Round off the answer to the nearest \$100.

Ans: \$ _____



Answer questions 30(a) and (b) using the graph below.
 The graph shows the number of boxes of candies sold in Mrs Wonka's candy shop in a particular week.

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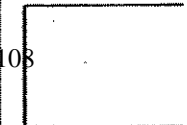


30a. On which day did Mrs Wonka sell 25 fewer boxes of candies than on Friday?

Ans: _____

30b. On which day did Mrs Wonka sell twice as many boxes of candies as Thursday?
 Wednesday

Ans: _____



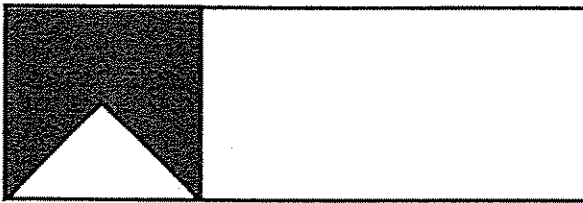
31. There are 50 pupils in Mrs Tan's class. The table below shows the number of brothers the pupils in Mrs Tan's class have. How many pupils have 2 brothers?

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No. of brothers	0	1	2	3	4
No. of pupils	6	17	?	4	1

Ans: _____ pupils

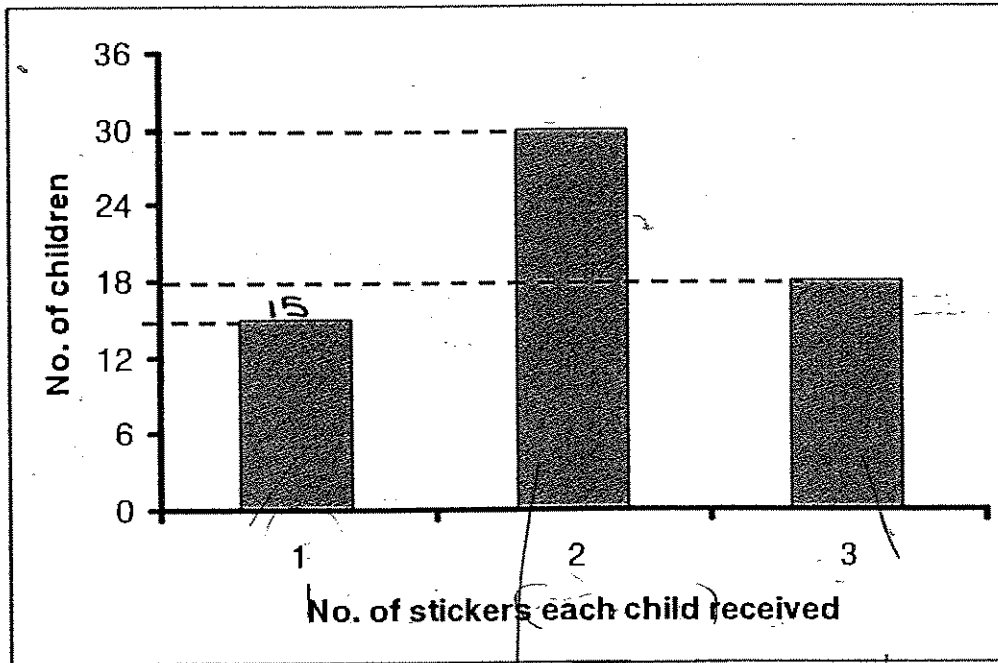
32. The figure below is made up of a square and a rectangle. The length of the rectangle is twice the length of the square. What fraction of the figure below is shaded?



Ans: _____

Do not write in this space

33. The graph below shows the number of stickers May gave to some children. How many stickers did she give away?



Ans: _____ stickers

34. How many thirds are there altogether in the difference between $2\frac{8}{9}$ and $1\frac{5}{9}$?

Ans: _____



35. Laura spent $\frac{3}{8}$ of her money on a book. If she had \$60 left, how much money did she have at first?

Ans: \$ _____

36. Arrange the following fractions in descending order.

$$\frac{3}{8}, \quad \frac{4}{5}, \quad \frac{1}{10}$$

Ans: _____

37. The total distance between ABC Primary School and a park is 980m.

Mr Yeo walked $\frac{3}{10}$ of the total distance. Find the distance that he walked.

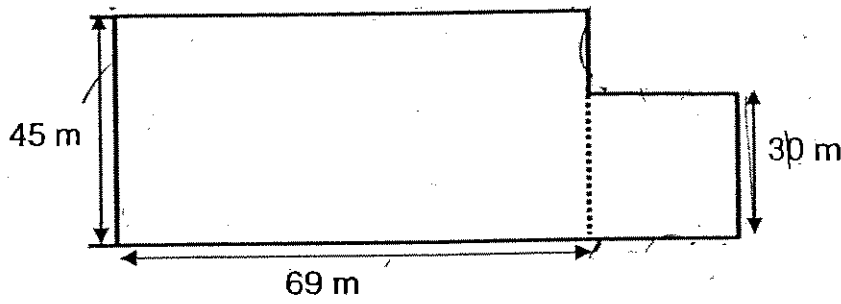
Ans: _____ m

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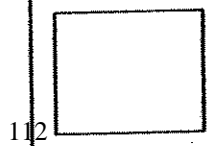
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38. The figure below is made up of a square and a rectangle. Find the perimeter of the figure.



Ans: _____ m

END OF SECTION B



SECTION C: (6 x 4 marks)

Solve the following problems. All mathematical working and statements must be shown clearly.

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39. A librarian had 8 boxes of books. She arranged all the books into sets of 24 and found that she had 58 sets. How many books were there in each box?

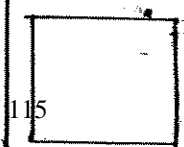


40. Tracey and Aisha saved \$7 156 altogether in a year. Aisha saved \$818 less than Tracey. Jasmine saved \$599 more than Tracey. How much did Jasmine save?

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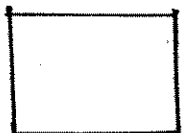
41. There are a total of 25 bicycles and tricycles in a shop. If there are 57 wheels altogether, how many tricycles are there?

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42. Mr Loh spent the same amount of money on 3 briefcases and 4 trench coats. If he spent \$2 688 altogether, how much would 13 such briefcases and 4 trench coats cost?

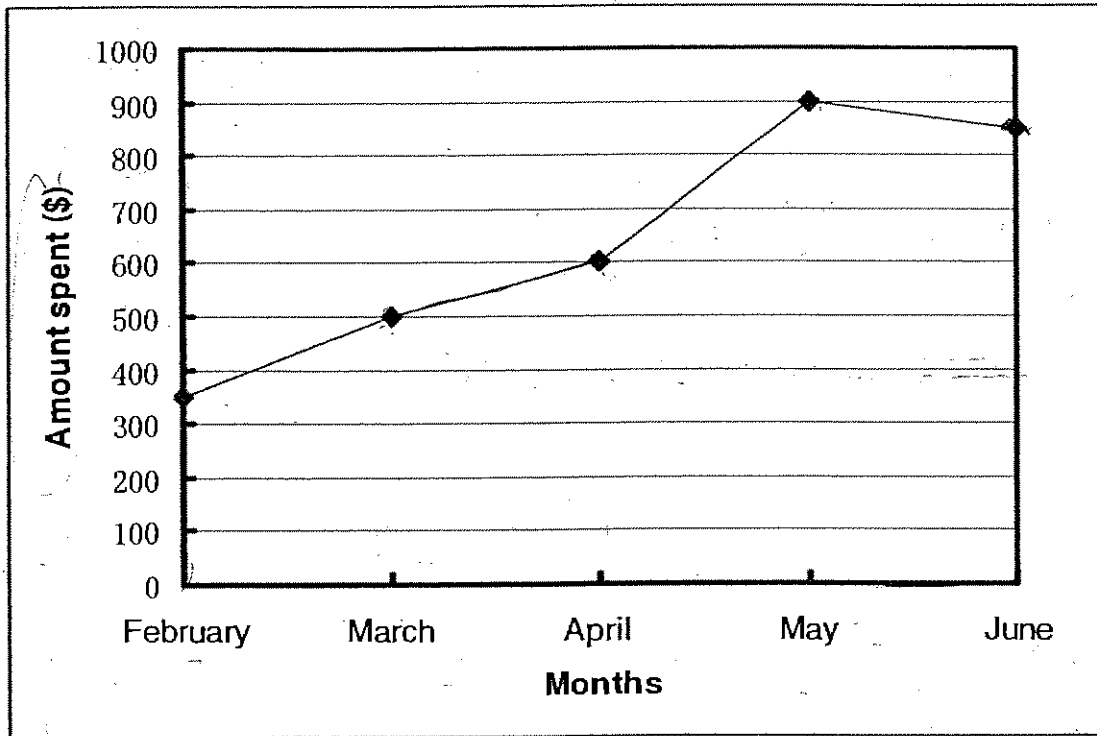
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16

43. The line graph below shows how much Mr Lee spent from February to June.

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Mr Lee spent part of his monthly salary and saved the rest.
If his monthly salary was \$2500, how much did he save over the 5 months?

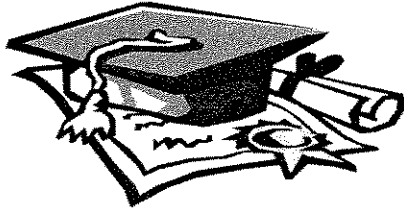


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44. A tailor bought $4\frac{1}{2}$ m of ribbon. He made 3 bows with $\frac{3}{10}$ m of ribbon each.
- a. If each metre of ribbon cost \$10, find the total amount of money he paid for the ribbon at first.
- b. How much ribbon had he left?

End of Paper





ANSWER SHEET

CHIJ PRIMARY SCHOOL - PRIMARY 4 MATHEMATICS 2007
SEMESTRAL ASSESSMENT (1)

1. 3
2. 1
3. 2
4. 4
5. 4
6. 2
7. 2
8. 2
9. 3
10. 3
11. 3
12. 2
13. 4
14. 2
15. 3
16. 2
17. 3
18. 4
19. 4
20. 4
21. 1903
22. $1\frac{5}{9}$
23. 6
24. 104
25. 57
26. 12
27. 3485
28. \$938
29. \$9600
30. a) Monday
b) Tuesday
- 31) 22
32) $\frac{1}{4}$
33) 129
34) 4
35) \$96
36) $\frac{4}{5}, \frac{3}{8}, \frac{1}{10}$
37) 294m
38) 288m
39) 1 set \rightarrow 24 books
58 set $\rightarrow 58 \times 24 = 1392$
8 books $\rightarrow 1932$
1 box $\rightarrow 1392 \div 8 = 174$
There are 174 books in the box.
40) $7156 - 818 = 6338$
 $6338 \div 2 = 3169$
 $3169 + 818 = 3987$
 $3987 + 599 = 4586$
Jasmine save \$4586.

41) No. of Bicycles	No. of b. wheel	No. of tricycles	No. of t. wheel	t. no. of wheel	check
20	40	5	15	55	x
19	38	6	18	56	x
18	36	7	21	57	✓

There are 7 tricycles.

42) $2688 \div 2 = 1344$
 $1344 \div 3 = 448$
 $13 \times 448 = 5824$
 $5824 + 1344 = 7168$
 They cost \$7168

43) Total salary $\rightarrow \$2500 \times 5 = \12500
 Total spent $\rightarrow \$350 + \$500 + \$600 + \$900 + \$850 = \3200
 Total savings $\rightarrow \$12500 - \$3200 = \$9300$
 He saved \$9300 over the 5 months.

44) a) Ribbon at first $\rightarrow 45/10 \times 10/1 = \45
 He paid \$45 for the ribbon at first.
 b) $3/10 \text{m} = 30 \text{cm}$
 $4\frac{1}{2} \text{m} = 450 \text{cm}$
 $30 \times 3 = 90$
 $450 - 90 = 360 \text{m}$
 She left 360m.

Nan Hua Primary School
Semestral Assessment 1 – 2007
Mathematics
Primary Four

Name: _____ ()

Class: Primary 4 ___

Date: 8 May 2007

Duration : 1 h 45 min

Marks:  100_____
Parent's signature**Section A (20 × 2 marks)**

Questions 1 to 20 carry 2 marks each.

Of the 4 options given, only one is correct. Choose the correct answer (1, 2, 3 or 4) and write its number in the brackets provided.

1. In 67 002, the value of the digit '7' is _____.

- (1) 70
- (2) 700
- (3) 7 000
- (4) 70 000

()

How many **hundreds** are there in the sum of 7 500 and 2 500 ?

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

()

3. What is the difference between the eighth multiple of 4 and the fifth multiple of 3?

- (1) 15
- (2) 17
- (3) 32
- (4) 47

()

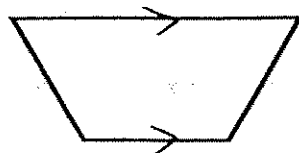


If the number of people watching a performance, correct to the nearest thousand, is 300 000. What is the **largest** possible number of people watching the performance?

- (1) 255 999
- (2) 299 999
- (3) 300 499
- (4) 300 999

()

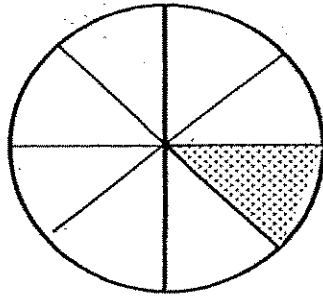
5. How many pair(s) of parallel lines are there in the figure?



- (1) 1
- (2) 2
- (3) 0
- (4) 4

()

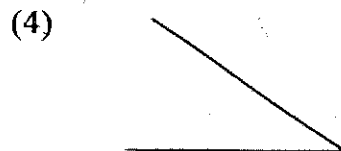
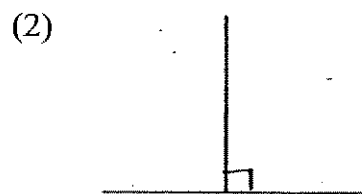
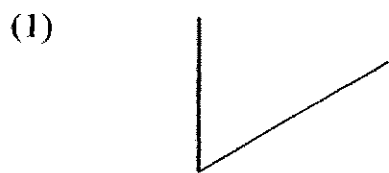
6. What fraction of the circle below is shaded ?



- (1) $\frac{1}{4}$
- (2) $\frac{1}{5}$
- (3) $\frac{1}{6}$
- (4) $\frac{1}{8}$

()

7. Which of the following shows a pair of perpendicular lines?



()

8 6 is a common factor of _____

- (1) 3 and 2
- (2) 3 and 6
- (3) 6 and 20
- (4) 18 and 30

()

9 Which of the following is NOT equivalent to $\frac{9}{12}$?

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

(2) $\frac{12}{16}$

(3) $\frac{6}{10}$

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

()

10. The factors of 12 are _____

- (1) 12, 8, 6, 3, 2, 1
- (2) 12, 6, 4, 3, 2, 1
- (3) 12, 10, 8, 6, 4, 2
- (4) 12, 24, 36, 48, 54, 60

()

11. $2\frac{3}{7}$ expressed as an improper fraction is _____

(1) $\frac{14}{7}$

(2) $\frac{17}{7}$

(3) $\frac{11}{7}$

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

()

12. Which of the following will give the **smallest** answer?

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

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

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

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

()

13. If Peter makes $\frac{3}{4}$ of a complete turn, how many degrees did he make ?

(1) 90°

(2) 180°

(3) 270°

(4) 360°

()

14. When a number is divided by 4, it gives a remainder of 2.
What is the number ?

- (1) 85
(2) 86
(3) 87
(4) 88

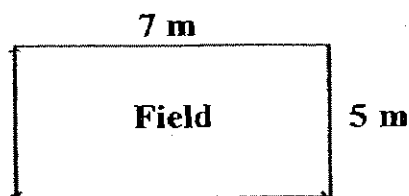
()

15. How many eighths are there in $1 + 2\frac{3}{8}$?

- (1) 6
(2) 9
(3) 27
(4) 33

()

16. Mr Lim ran round a rectangular field twice . What was the distance covered ?



- (1) 12 m
(2) 24 m
(3) 35 m
(4) 48 m

()

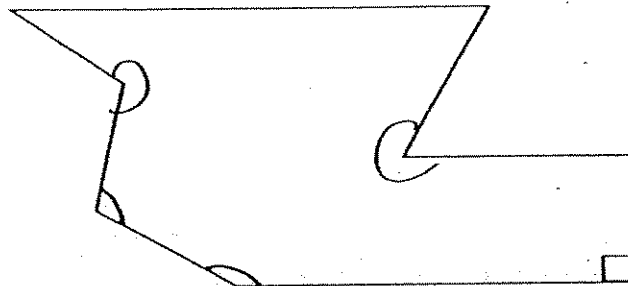
17. Lisa has 36 buttons. $\frac{2}{9}$ of them are blue, 11 of them are green and the rest are red. How many red buttons does she have?

- (1) 8
- (2) 13
- (3) 17
- (4) 19

()



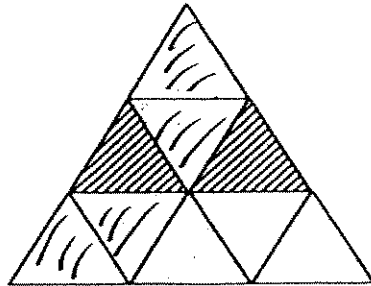
How many angles inside the figure are greater than a right-angle?



- (1) 5
- (2) 2
- (3) 3
- (4) 4

()

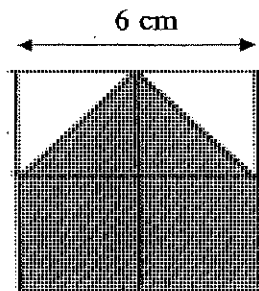
19. In the figure below, 2 similar triangles are shaded. How many more such triangles must be shaded so that $\frac{2}{3}$ of the figure is shaded?



- (1) 6
- (2) 2
- (3) 3
- (4) 4

()

This figure is made up of identical squares joining together. If the length of the figure is 6 cm, find the area of the shaded region.



- (1) 12 cm^2
- (2) 36 cm^2
- (3) 24 cm^2
- (4) 27 cm^2

()

Section B: Open-ended Questions (20 × 2 marks)**Questions 21 to 40 carry 2 marks each.****Write out the correct answers for the following questions in the boxes provided. Show your workings clearly, and give your answers in the units provided.**

21. In 80 457, the digit _____ is in the tens place.

22. Eighty-eight thousand and eighty-eight written as a numeral is _____

23. Use all the digits 5, 8, 2, 0, 7 to form the largest odd number.

24. The first two common multiples of 3 and 5 are _____ and _____.

25. Multiply 360 by 10. The answer is _____ more than 3 000.

26. Complete the number pattern.

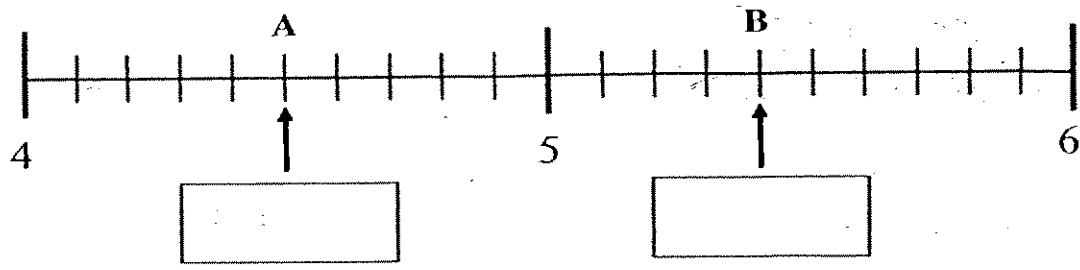
29, 58, 116, _____, 464, 928

27. Kate and Lisa shared \$80. Kate got \$4 more than Lisa.
How much did Lisa get?

28. In $\frac{1}{2} - \frac{2}{5} =$ _____, fill in the blank.

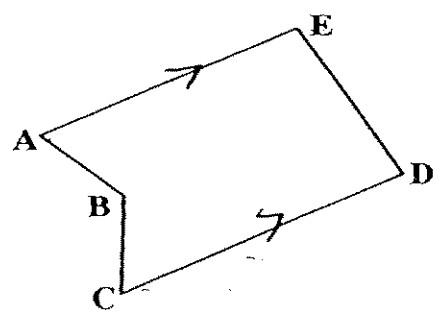
29. Express $\frac{20}{7}$ as a mixed number.

30. What mixed number does each letter represent?
Express your answer in its simplest form.



A: B:

31. In the figure, AE is parallel to line _____.



32. Every 3 bags cost \$16 and every 4 T-shirts cost \$12. Find the total cost of 15 such bags and 20 such T-shirts.

\$

33. What number am I thinking of?

$\frac{2}{3}$ of it is 40.

$\frac{2}{5}$ of it is 24.

The number is _____.

34.

Ahmad wants to put all his ¹⁹⁸ marbles into jars. If each jar can only contain 8 marbles, what is the least number of jars he will need?

 jars

35.

Arrange the fractions in ascending order.

$$\frac{7}{12}, \frac{1}{4}, \frac{1}{3}$$



On Monday, a student read a story book from page 24 to 29. If he read the same number of pages for a week, find the total number of pages the pupil read for the whole week.

 pages

37. Anthony has 47 stickers. He has 13 stickers less than Beverley while Cornie has 8 stickers more than Beverley. How many stickers do they have altogether ?

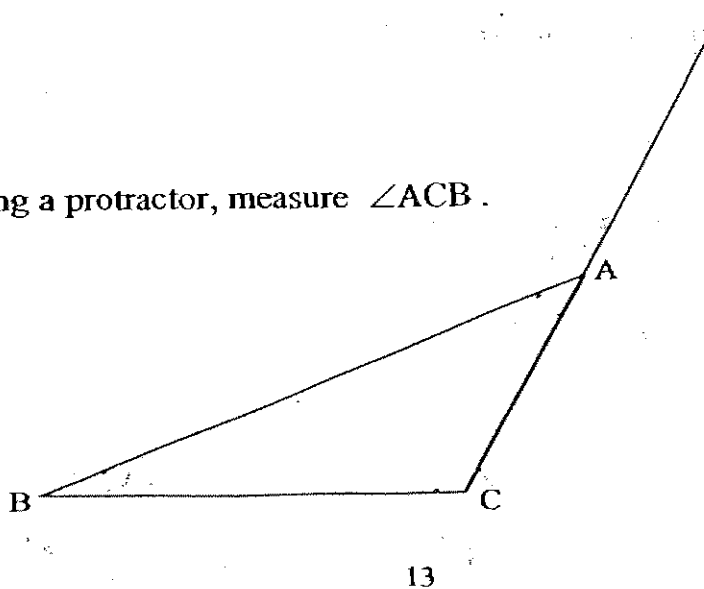
stickers

38. There were 2 blue beads, 4 yellow beads and 5 green beads in a jar. What fraction of the beads in the jar was yellow ?

39

- The sum of 2 numbers is 30. The difference between the 2 numbers is 6. What is the smaller number ?

40. Using a protractor, measure $\angle ACB$.



Section C: Problem Sums (5 × 4 = 20 marks)

Do the following sums carefully. All statements and workings must be clearly shown. All the units must also be stated clearly.

41. Cecilia has 178 marbles. Ali has 38 more marbles than Cecilia.
How many marbles do they have altogether ?
42. Tom had \$240. He gave \$20 to his friend and now has twice as much as his friend. How much money did his friend have at first ?

43. Mrs Yang bought 3 silk blouses at \$49 each and 2 pieces of pants at \$36 each. She gave the cashier a \$500 note. How much change did she receive?

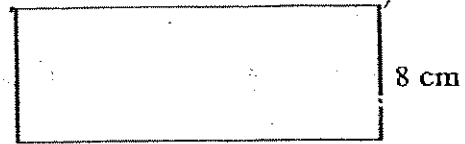
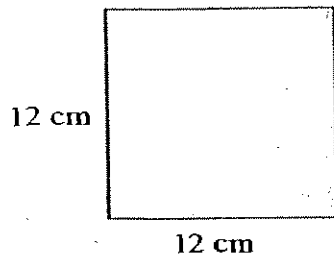
44. Jane bought some pencil caps.

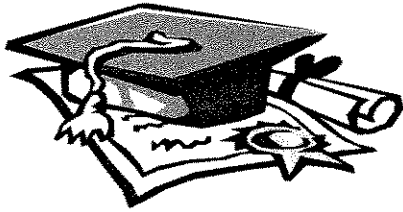
She gave Alice $\frac{1}{4}$ of the pencil caps and Theresa $\frac{1}{3}$ of the pencil caps.

She kept the remaining 40 pencil caps for herself.

- (a) What fraction of the pencil caps did she keep for herself?
(b) How many pencil caps did she buy in all?

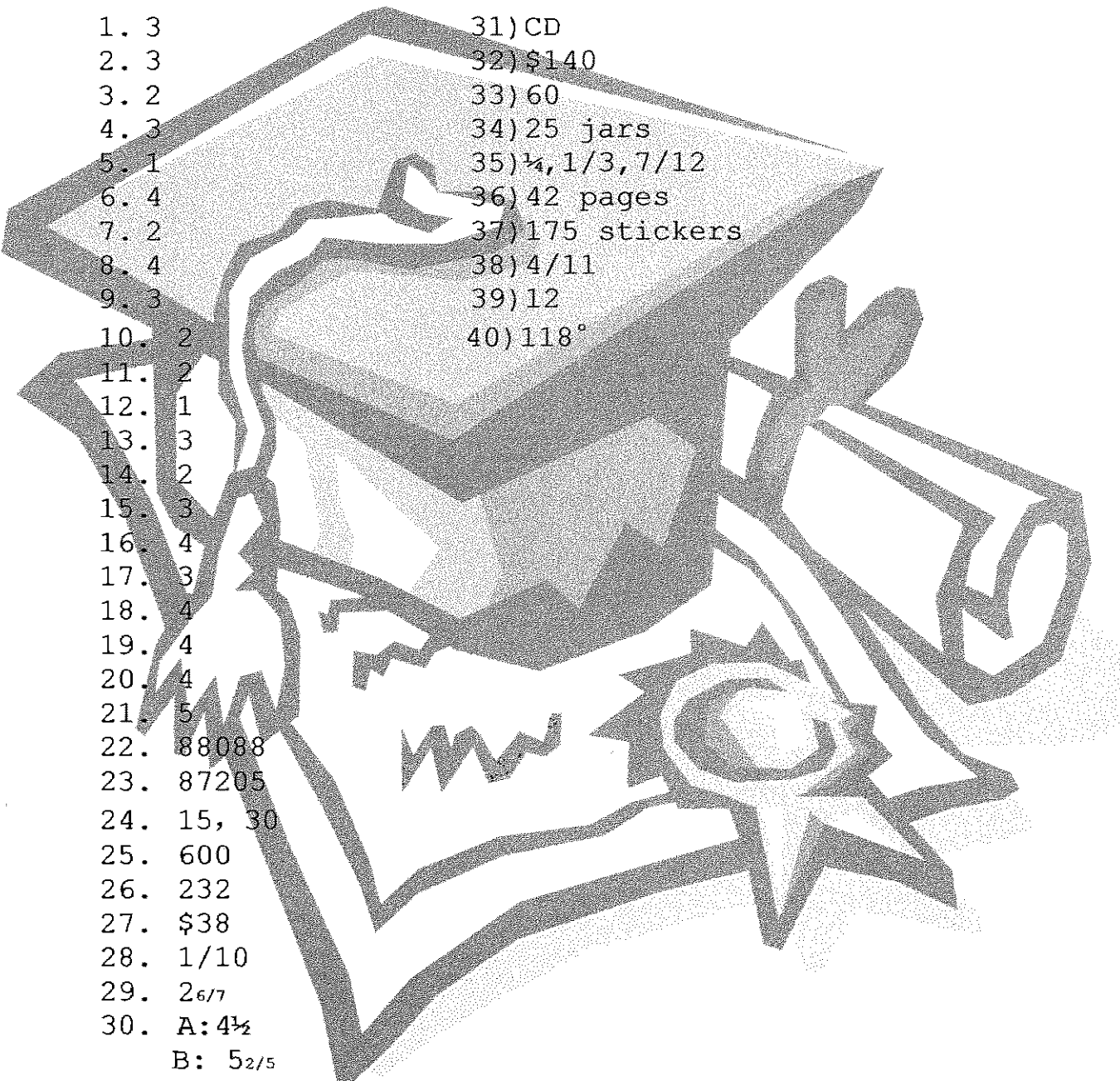
- 45 The areas of the square and the rectangle shown below are equal.
Find the perimeter of the rectangle.
(The figures are not drawn to scale.)





ANSWER SHEET

NAN HUA PRIMARY SCHOOL - PRIMARY 4 MATHEMATICS 2007
SEMESTRAL ASSESSMENT (1)

- 
1. 3
 2. 3
 3. 2
 4. 3
 5. 1
 6. 4
 7. 2
 8. 4
 9. 3
 10. 2
 11. 2
 12. 1
 13. 3
 14. 2
 15. 3
 16. 4
 17. 3
 18. 4
 19. 4
 20. 4
 21. 5
 22. 88088
 23. 87205
 24. 15, 30
 25. 600
 26. 232
 27. \$38
 28. $\frac{1}{10}$
 29. $\frac{2}{6/7}$
 30. A: $4\frac{1}{2}$
B: $5\frac{2}{5}$
 - 31) CD
 - 32) \$140
 - 33) 60
 - 34) 25 jars
 - 35) $\frac{1}{4}, \frac{1}{3}, \frac{7}{12}$
 - 36) 42 pages
 - 37) 175 stickers
 - 38) $\frac{4}{11}$
 - 39) 12
 - 40) 118°

41) No. of marbles Ali has $\rightarrow 178 + 38 = 216$ marbles
No. of marble Ali and Cecilia has $\rightarrow 178 + 216 = 394$ marbles
They have 394 marbles altogether.

42) $240 - 20 = 220$
 $220 \div 2 = 110$
 $110 - 20 = 90$
His friend had \$90 at first.

43) Cost of 3 silk blouses $\rightarrow \$49 \times 3 = \147
Cost of 2 pieces of pants $\rightarrow \$36 \times 2 = \72
Amount of change received $\rightarrow \$500 - 147 - 72 = \281
She received \$281 of change.

44) a) Fraction of the pencil caps she kept for herself $\rightarrow 1 - (1/3 + 1/4)$
 $= 1 - (4/12 + 3/12)$
 $= 1 - 7/12$
 $= 5/12$

She kept $5/12$ pencil caps for herself.

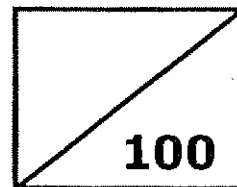
b) 1 unit $= 1/12$
5 units $= 5/12 = 40$
12 units $= 12/12$

No. of pencil caps she bought $\rightarrow (40 \div 5) \times 12$
 $= 8 \times 12 = 96$ pencil caps
She bought 96 pencil caps in all.

45) Area of the square $\rightarrow 12\text{cm} \times 12\text{cm} = 144\text{cm}^2$
Length of the rectangle $\rightarrow 144\text{cm}^2 \div 8\text{cm} = 18\text{cm}$
Perimeter of the rectangle $\rightarrow (18\text{cm} \times 2) + (8\text{cm} \times 2)$
 $= 36\text{cm} + 16\text{cm}$
 $= 52\text{cm}$
The perimeter of the rectangle is 52cm.



Rosyth School
Semestral Assessment 1 2007
Mathematics
Primary 4



Name: _____

Class: Pr 4-_____ Register No. _____ Duration: 1h 45 min

Date: 11th 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 parts, Sections A, B and C.
4. For questions 1 to 20 in Section A, shade the correct ovals on the Optical Answer Sheet (OAS).

	Maximum	Marks Obtained
Section A	40	
Section B	40	
Section C	20	
Total	100	

* This paper consists of 19 pages altogether.

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Section A (40 marks)

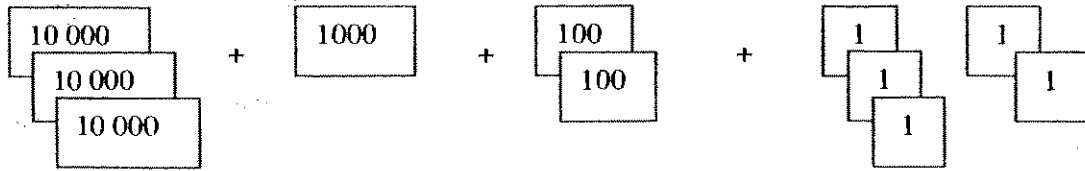
Question 1 to 20 carries 2 marks each. For each question, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 and 4). Shade the correct answer on the OAS (Optical Answer Sheet).

1. In 34 689, the digit 4 stands for _____.
 - (1) 40
 - (2) 400
 - (3) 4000
 - (4) 40 000

2. Round off 6 547 to the nearest hundred.
 - (1) 6 000
 - (2) 6 500
 - (3) 6 550
 - (4) 7 000

3. Which of the following is a common multiple of 4 and 8?
 - (1) 1
 - (2) 2
 - (3) 8
 - (4) 4

4.



The sum of the numbers above is _____.

- (1) 31 250
- (2) 31 205
- (3) 31 125
- (4) 31 025

5. Which one of the following are common factors of 36 and 60?

- (1) 3 and 5
- (2) 4 and 6
- (3) 6 and 9
- (4) 12 and 18

6. Ben has a collection of 200 stickers. His brother, Alan, has 10 times as many stickers as Ben. How many stickers does Alan have?

- (1) 210
- (2) 2000
- (3) 2010
- (4) 2100

7. Find the product of 14 and 21.

- (1) 42
- (2) 98
- (3) 174
- (4) 294

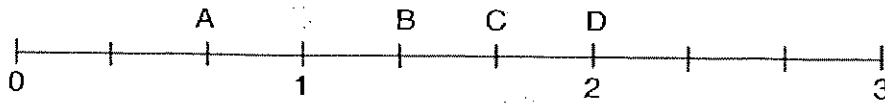
8. Maria, Amanda and Betty baked some cookies. Maria and Amanda baked a total of 600 cookies. Maria baked 3 times as many cookies as Amanda. How many cookies did Betty bake if she baked 20 cookies more than Amanda?

- (1) 130
- (2) 150
- (3) 170
- (4) 200

9. How many fifths are there in $7\frac{2}{5}$?

- (1) 7
- (2) 2
- (3) 35
- (4) 37

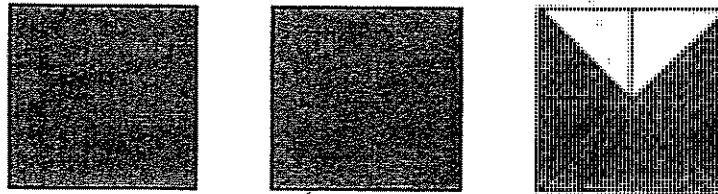
10.



Which point (A, B, C or D) on the above number line represents $1\frac{2}{3}$?

- (1) A
- (2) B
- (3) C
- (4) D

11.



What fraction of the above diagram is shaded?

- (1) $\frac{1}{4}$
- (2) $\frac{3}{4}$
- (3) $\frac{9}{4}$
- (4) $\frac{11}{4}$

12. Express $3\frac{1}{9}$ as an improper fraction.

(1) $\frac{13}{9}$

(2) $\frac{27}{9}$

(3) $\frac{28}{9}$

(4) $\frac{31}{9}$

13. Find the sum of $\frac{3}{6}$ and $\frac{2}{6}$.

(1) $\frac{1}{12}$

(2) $\frac{5}{12}$

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

(4) $\frac{5}{6}$

14. Sammy ordered 1 whole pizza. After eating part of the pizza, $\frac{3}{12}$ of it was left. What fraction of the pizza did Sammy eat?

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

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

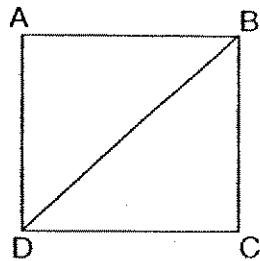
(3) $\frac{2}{3}$

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

15. Which of the following is a property of a rectangle?

- (1) All sides are equal
(2) It has only 1 right angle.
(3) Opposite sides are parallel.
(4) It has only 1 pair of parallel line.

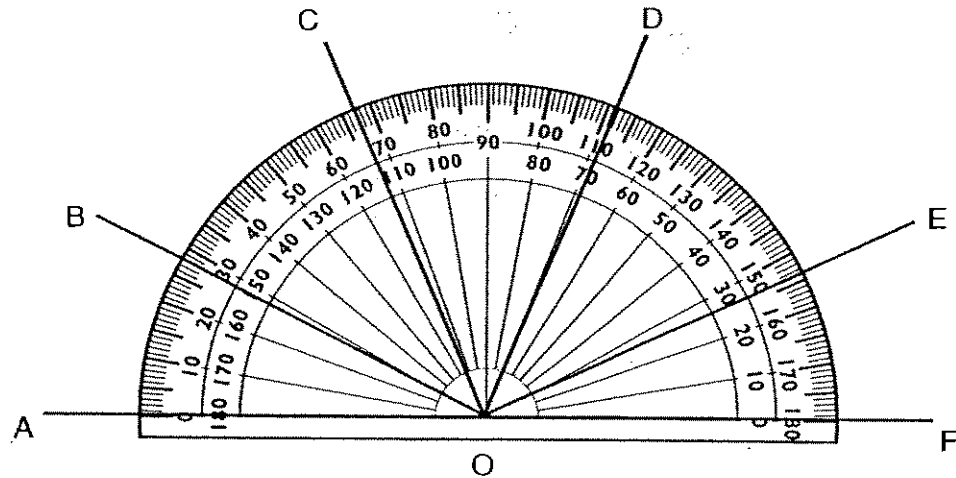
16.



ABCD is a square. Name a line parallel to AB.

- (1) AD
(2) BC
(3) CD
(4) DB

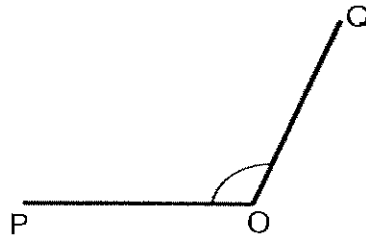
17.



Which one of the following angle is 28° ?

- (1) $\angle AOB$
- (2) $\angle AOC$
- (3) $\angle DOF$
- (4) $\angle EOF$

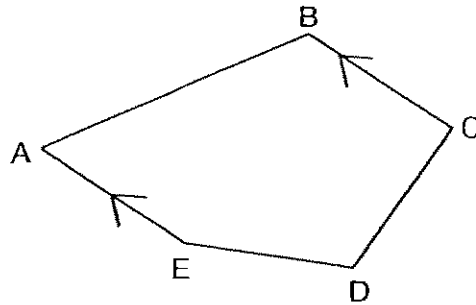
18.



The above figure is not drawn to scale. What is an estimate of $\angle POQ$?

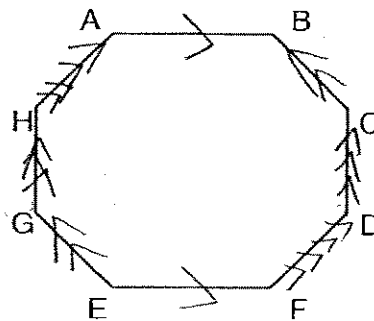
- (1) 40°
- (2) 90°
- (3) 120°
- (4) 170°

19. In the figure below, which pair of lines are perpendicular to each other?



- (1) AB and BC
- (2) BC and CD
- (3) CD and DE
- (4) AE and BC

20. How many pairs of parallel lines are there in the figure shown?



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

Section B (40 marks)

For each question, show your working clearly in the space below each question and write your answer in the answer boxes provided. Give your answers in the units stated. Questions 21 to 40 carry 2 marks each.

21. What is the sum of all the factors of 12?

22. Form the largest four digit **odd** number using all the digits listed below.

9, 2, 7, 4

23. Find the value of $200 - 150 - 5$.
Round off the answer to the nearest ten.

24. Dora spent \$8 on a file. She spent 4 times as much on a wallet. How much more did Dora spend on the wallet than the file?

 \$

25. Divide 1370 by 4. Find the quotient and remainder.

Q:
R:

26. Bob is 3 years younger than Roger. In 4 years' time, Bob will be 11 years old. How old is Roger now?

27. The difference between 2 numbers is 204.
The bigger number is 3 times the smaller number.
Find the bigger number.

28. Find the value of $2 - \frac{2}{6} - \frac{1}{6}$.
Express your answer in its simplest form.

29. What is $\frac{5}{8}$ of 24?

30. $3\frac{5}{11} = \frac{\square}{11} + \frac{5}{11}$. What is the missing number in the box?

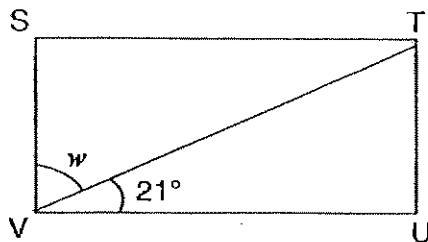
31. Joe mixed $\frac{5}{11}l$ of syrup with $4\frac{3}{11}l$ of water. What is the total volume of the mixture?

32. There are 42 pupils in a class. $\frac{4}{7}$ of them are boys. How many girls are there in the class?

33. Jenna spent $\frac{1}{8}$ of her money on a pen and $\frac{5}{8}$ of it on a notebook. What fraction of her money was left? Express your answer in its simplest form.

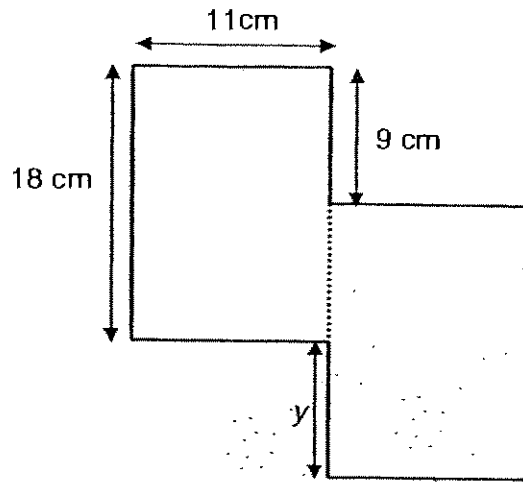
34. Jay had 3m of wire. After using some of it, he had $\frac{5}{8}m$ of wire left. How much wire did he use?

- 35.

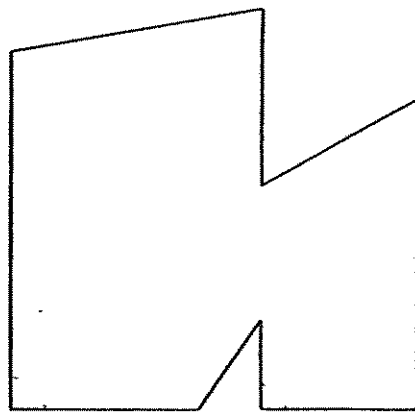


STUV is a rectangle. Find the value of $\angle w$.

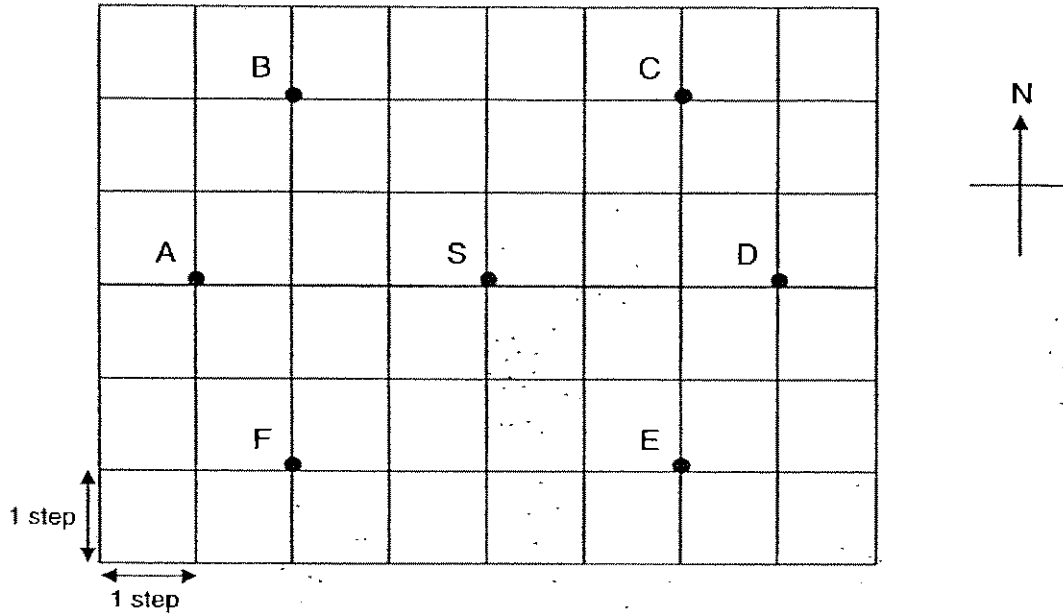
36. The figure below is made of two similar rectangles. What is the length of the side marked y ?



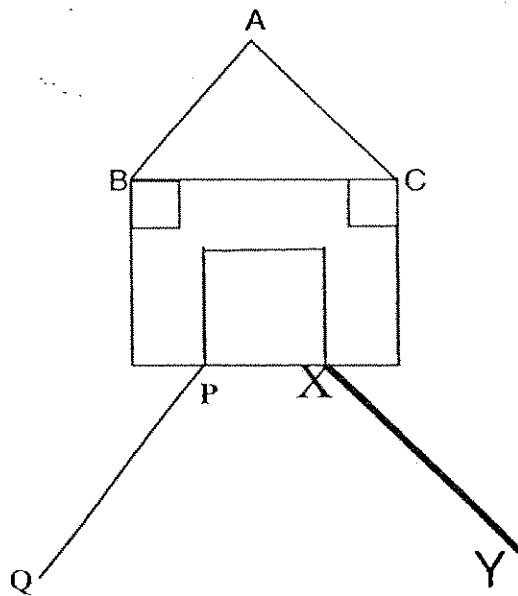
37. How many right angles are there in the figure below?



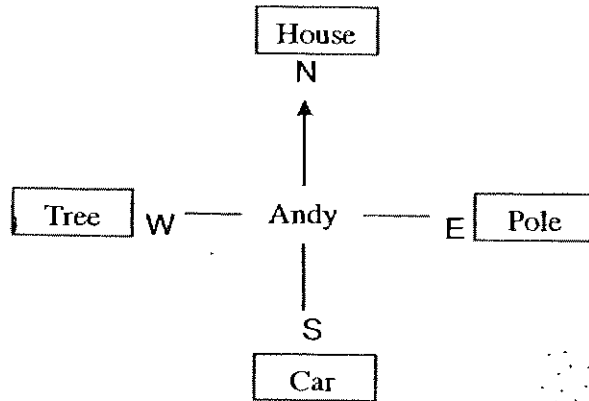
38. Look at the diagram below. At first, Jay was at point S. He moved 3 steps to the west, 2 steps to the north and finally 5 steps to the east. He would now be at point _____.



39. Find the line parallel to XY. Write the letters in the box.



40. Andy is facing North. If he makes a $\frac{3}{4}$ -turn anti-clockwise, which object would he see?



Section C (5 x 4 marks)

For questions 41 to 45, show your working clearly in the space below each question and write your answers in the blanks provided. The marks for each question are given in the brackets.

Q41. There are 23 peacocks and rabbits in the zoo. There are 84 legs altogether.

- (a) How many peacocks are there?
- (b) How many more rabbits than peacocks are there?

Ans: (a) _____(2 marks)

(b) _____(2 marks)

Q42. Peter bought a video game for \$89. He spent 2 times as much on a pair of sports shoes.

(a) How much did he spend altogether?

(b) If he had \$828 at first, how much had he left in the end?

Ans: (a) _____ (2 marks)

(b) _____ (2 marks)

Q43. Henry bought a box of VCDs for \$162. There were 9 VCDs in each box.

(a) How much did one VCD cost?

(b) How much did he pay for 13 VCDs?

Ans: (a) _____ (2 marks)

(b) _____ (2 marks)

- Q44. 2 similar boxes contained some marbles. Box A with 18 marbles weighed 250g.
Box B with 23 similar marbles weighed 55g more.
- (a) How much did one marble weigh?
 - (b) How much did each box weigh?

Ans: (a) _____ (2 marks)

(b) _____ (2 marks)

45. Farah had some ribbon. She gave $\frac{1}{3}$ m to Andrea and $\frac{2}{9}$ m to Kate. Then she had $\frac{5}{9}$ m left.

(a) How much more ribbon did Andrea get than Kate?

(b) How much ribbon did Farah have at first?

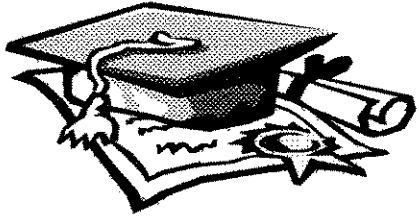
(Express your answer in the simplest form.)

Ans: (a) _____ (2 marks)

(b) _____ (2 marks)

~END OF PAPER~

Have you checked your work thoroughly?



ANSWER SHEET

ROSYTH PRIMARY SCHOOL - PRIMARY 4 MATHEMATICS 2007
SEMESTRAL ASSESSMENT (1)

1. 3 35) 69°
 2. 2 36) 9cm
 3. 3 37) 3
 4. 2 38) C
 5. 2 39) A C
 6. 2 40) pole
 7. 4 41) a) 4 b) 15
 8. 3
 9. 4 42) \$267 b) \$561
 10. 3
 11. 4 43) a) \$18 b) \$234
 12. 3
 13. 4 44) a) 11 b) 52
 14. 4
 15. 3 45) a) $1/9$ m b) $1 \frac{1}{9}$
 16. 3
 17. 1
 18. 3
 19. 2
 20. 4
 21. 28
 22. 9427
 23. 50
 24. \$24
 25. Q:342 R:2 ---end---
 26. 10
 27. 306
 28. $1 \frac{1}{2}$
 29. 15
 30. 33
 31. 4 $\frac{8}{11}$
 32. 18
 33. $\frac{3}{4}$
 34. 2 $\frac{3}{8}$



RAFFLES GIRLS' PRIMARY SCHOOL

SEMESTRAL ASSESSMENT (1)

2007

Name : _____ Class: P4 _____ Index No: _____

9 May 2007 **MATHEMATICS** Att: 1 h 45 min

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

SECTION A (25 marks)

For questions 1 to 5, one mark is awarded. For questions 6 to 15, two marks are awarded. Choose the correct answer from the four options given and write its number (1, 2, 3 or 4) in the brackets provided.

- In 96 532, the digit 6 is in the _____ place.
 - hundreds
 - thousands
 - ten thousands
 - hundred thousands

()

- Find the difference between 3642 and 2189, rounding off your answer to the nearest hundreds.
 - 1400
 - 1450
 - 1460
 - 1500

()

- There are 8 seeds in each long bean. How many seeds are there if there are 408 long beans?
 - 51
 - 501
 - 3264
 - 3344

()

161

4. Multiply 584 by 7 tens. The answer is _____.

- 1) 4068
- 2) 4088
- 3) 40880
- 4) 408800

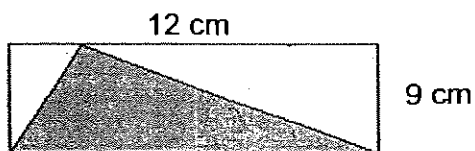
()

5. The difference between 1850 cm and 2039 cm is _____.

- 1) 1 m 89 cm
- 2) 4 m 89 cm
- 3) 10 m 89 cm
- 4) 45 m 89 cm

()

6. The rectangle below is not drawn to scale. Find the area of the shaded triangle.



- 1) 24 cm²
- 2) 42 cm²
- 3) 54 cm²
- 4) 108 cm²

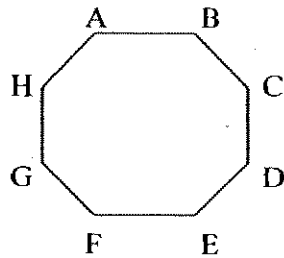
()

7. A chair is half as heavy as a table. If the chair is 5362 g, how heavy is the table?

- 1) 1 kg 724 g
- 2) 2 kg 681 g
- 3) 10 kg 724 g
- 4) 26 kg 081 g

()

8. The figure below is a regular octagon. Line AB is parallel to line _____.



- 1) BC
2) CD
3) DE
4) EF
- ()
9. Express $12\frac{1}{3}$ as an improper fraction. The answer is _____.

- 1) $\frac{13}{3}$
2) $\frac{16}{3}$
3) $\frac{36}{3}$
4) $\frac{37}{3}$
- ()

10. Subtract $\frac{6}{11}$ from 3. The answer is _____.

- 1) $\frac{5}{11}$
2) $1\frac{5}{11}$
3) $2\frac{5}{11}$
4) $3\frac{6}{11}$
- ()

11. The sum of 62 tens and _____ hundreds is 84 220.

- 1) 800
- 2) 836
- 3) 840
- 4) 900

()

12. What is the difference between the greatest and the smallest factor of 99?

- 1) 30
- 2) 66
- 3) 96
- 4) 98

()

13. Which of the following is not a multiple of 12?

- 1) 12
- 2) 36
- 3) 64
- 4) 84

()

14. Raju had 8 times as many marbles as Sulin. If Raju had 840 marbles, how many marbles did they have altogether?

- 1) 105
- 2) 945
- 3) 6720
- 4) 7560

()

15. The fractions $\frac{3}{4}$, $\frac{1}{2}$ and $\frac{5}{8}$ arranged in descending order is _____.

- 1) $\frac{3}{4}$, $\frac{1}{2}$, $\frac{5}{8}$
- 2) $\frac{1}{2}$, $\frac{3}{4}$, $\frac{5}{8}$
- 3) $\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$
- 4) $\frac{3}{4}$, $\frac{5}{8}$, $\frac{1}{2}$

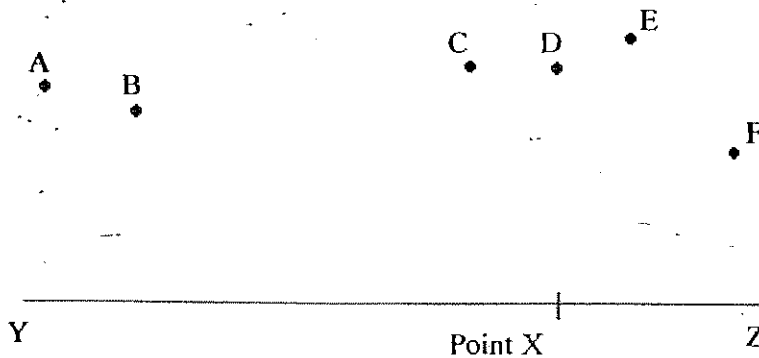
()

Write the correct answer for each sum in the box/boxes provided. Each question carries two marks.

16. $\frac{128}{11}$ expressed as a mixed number is _____

17. A square has an area of 64 cm^2 . What is the perimeter of the square?

18. Which point when join to X with a straight line will be perpendicular to line YZ?

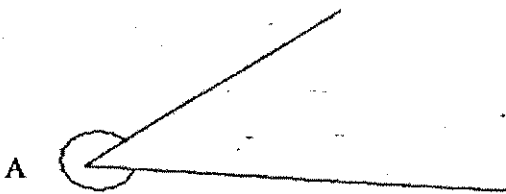


19. Mary has the same number of 10-cent and 50-cent coins. Their total value is \$4.20. How many 50-cent coins does she have?

20. How many pairs of parallel lines are there in the letter H?



21. Measure angle A.



22. How many eighths are there in $2\frac{3}{4}$?

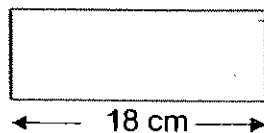
23. What is $\frac{7}{8}$ of 96?

24. The smallest 5-digit **even** number that can be formed with the digits 7, 8, 0, 1 and 3 is _____.

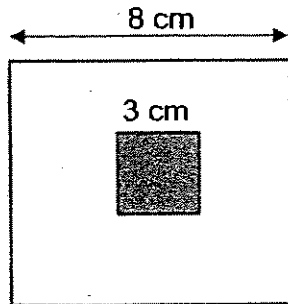
25. The value of the digit 8 in 78 231 is _____ times the value of the digit 8 in 850.

26. A number of biscuits were given to some pupils. Each pupil received 6 biscuits and 5 biscuits were left over. If there were 6 pupils, how many biscuits were there?

27. If the perimeter of this rectangle is 52 cm, what is the breadth of the rectangle?

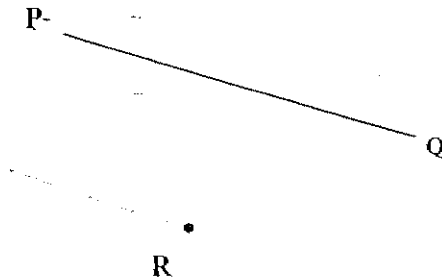

 cm

28. The figure below is made up of two squares of sides 8 cm and 3 cm respectively. Find the area of the **unshaded** part.



cm ²

29. Draw a line parallel to the line PQ passing through the point R.



30. You are facing south-west. If you turn 270° anticlockwise, you will face _____.

--

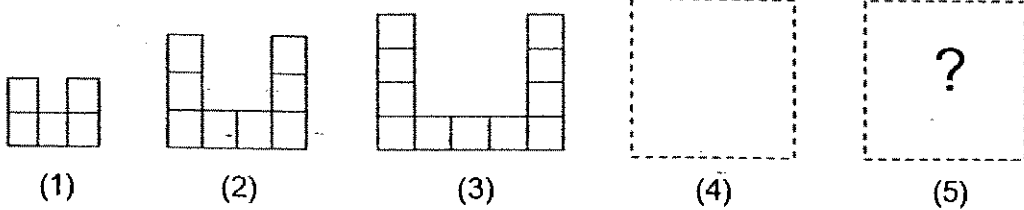
31. Ann wants to buy 27 kg of crabs. A kilo of crabs costs \$19. How much does she have to pay in all?

\$

32. $4\frac{7}{8} = 4 + \square \times \frac{1}{8}$

The missing number in the box is _____.

33. How many squares will there be in pattern 5?



34. What fraction is between $\frac{5}{7}$ and $\frac{12}{14}$?

35. There are 15 apples and 5 oranges in a refrigerator! If $\frac{2}{5}$ of the fruits are bad and thrown away, what is the number of fruits left?

40. Basket A and Basket B have the same mass when empty. When 63 eggs are put into Basket A, it weighs ~~1~~ 1 kg 8 g. When 54 eggs are put into Basket B, it weighs 891 g. What is the mass of the empty basket? (4m)



Basket A

(Basket + Eggs = 1 kg 8g)



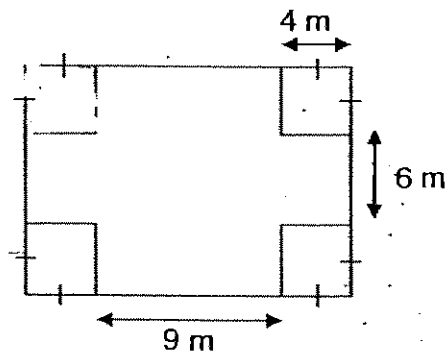
Basket B

(Basket + Eggs = 891g)

41. Rachel had a total of 1560 red and blue marbles. After losing 256 of her blue marbles and $\frac{2}{5}$ of her red marbles, she had an equal number of red and blue marbles left. How many blue marbles had she at first? (4m)

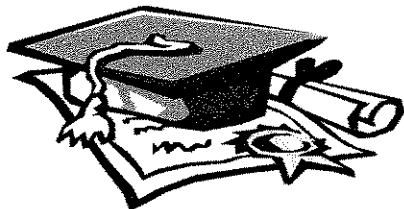
42. 3 watches cost as much as 7 calculators. If 3 watches and 3 calculators cost \$180, find the cost of 1 watch. (4m)

43. Miss Li wanted 4 fountains at the four corners of her garden. She had to remove the grass at the four corners in order to build the fountains.
- a) What was the total area of grass removed? (2m)
b) What area of the garden was now covered with grass? (3m)



44. A packet of sugar cost \$3 while a packet of flour cost \$2 more than a packet of sugar. A coffeeshop owner paid \$3313 for some packets of flour and sugar. He bought 67 more packets of sugar than flour.
How many packets of flour did he buy? (5 m)

- End of Paper -



ANSWER SHEET

RAFFLES GIRLS' PRIMARY SCHOOL - PRIMARY 4 MATHEMATICS 2007
SEMESTRAL ASSESSMENT (1)

1. 2
2. 4
3. 3
4. 3
5. 1
6. 3
7. 3
8. 4
9. 4
10. 3
11. 2
12. 4
13. 3
14. 2
15. 4
16. $11\frac{7}{12}$
17. 32cm
18. point D
19. 7 coins
20. 1
21. 325°
22. 22
23. 84
24. 10378
25. 10
26. 41 biscuits
27. 8cm
28. 55cm^2
- 29.

- 30) North-west
- 31) \$513
- 32) 7
- 33) 17 squares
- 34) $11\frac{1}{14}$
- 35) 12 fruits
- 36) ?



$$R \rightarrow 3600 \div 9 = 400$$

$$C \rightarrow 400 \times 8 = 3200$$

The cost of a computer is \$3200

$$37) 4\frac{2}{3} - 2\frac{3}{12} = 4\frac{8}{12} - 2\frac{3}{12} = 2\frac{5}{12}$$

$$2\frac{5}{12} - 1\frac{5}{6} = 2\frac{5}{12} - 1\frac{10}{12} = 1\frac{17}{12} - 1\frac{10}{12} = 7\frac{7}{12}$$

$7\frac{7}{12}$ L of orange juice left.

38) There are 25 cars in the carpark

$$39) 4 \times 4 = 16$$

$$40 - 16 = 24\text{cm}^2$$

$$24 \div 4 = 6$$

$$6 - 4 = 2$$

$$4 + 4 + 2 + 4 + 6 + 8 = 28\text{cm}$$

R

40) $63 - 54 = 9$

$1\text{kg}8\text{g} = 1008\text{g}$

Weight of 9 eggs $\rightarrow 1008 - 891 = 117$

$117 \div 9 = 13$

$13 \times 54 = 702$

$891 - 702 = 189$

The mass of an empty basket is 189g.

41) 8 units $\rightarrow 560 - 256 = 1304$

$3 + 3 + 2 = 8$

1 unit $\rightarrow 1304 \div 8 = 163$

$163 \times 3 = 489$

$489 + 256 = 745$

She have 745 blue marbles at first.

42) $108 \div 10 = 18$

$18 \times 3 = 54$

$180 - 54 = 126$

$126 \div 3 = 42$

Each watch cost \$42

43) a) $4 \times 4 = 16$

$16 \times 4 = 64$

The total area of the grass removed is 64cm^2

b) $9 + 4 + 4 = 17$

$6 + 4 + 4 = 14$

$17 \times 14 = 238$

$238 - 64 = 174$

The area of the grass now covered with grass is 174m^2

44) f $\rightarrow 3 + 2 = 5$

$67 \times 3 = 201$

$3313 - 201 = 3112$

$5 + 3 = 8$

$3112 \div 8 = 389$

He bought 389 packets of flour.

Pei Chun Public School
Semestral Assessment 1 – 2007
Mathematics
Primary 4

Booklet A

Name: _____ ()

Date: 7 May 2007

Class: Primary 4 _____

Time: 2 h

Maths Teacher: _____

Questions 1 to 12 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) and write its number in the brackets provided. (24 marks)

1. In 85 290, the digit 5 is in the _____ place.

(1) ones

(2) hundreds

(3) thousands

(4) ten thousands

()

2. Round off 32 649 to the nearest hundred.

(1) 32 600

(2) 32 650

(3) 33 000

(4) 33 700

()

3. The best estimate for the height of a table is _____.

(1) 8 m

(2) 8 cm

(3) 80 cm

(4) 80 m

()

175

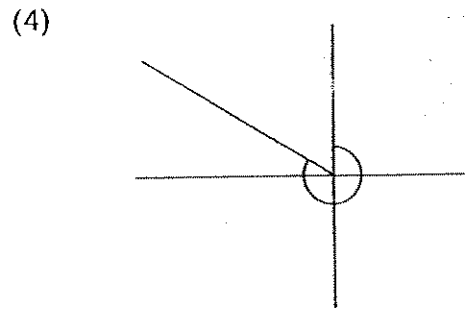
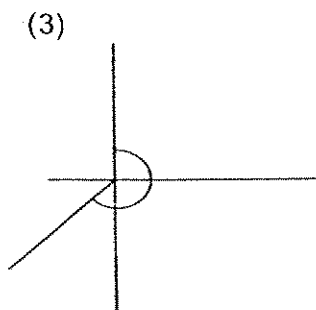
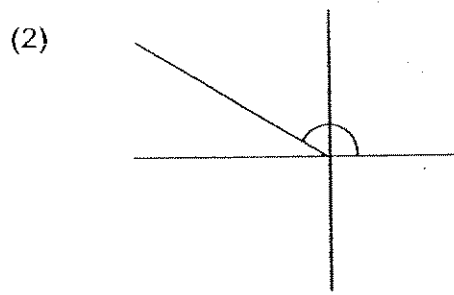
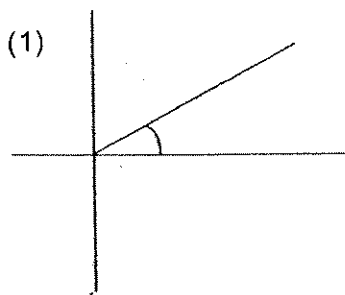
4. The sum of the first three multiples of 7 is _____.
- (1) 63
 - (2) 42
 - (3) 22
 - (4) 21

()

5. Which one of the following set of numbers are common factors of 16 and 36?
- (1) 1 and 8
 - (2) 4 and 9
 - (3) 1, 2 and 4
 - (4) 8 and 12

()

6. Which one of the following angles is about 150° ?



()

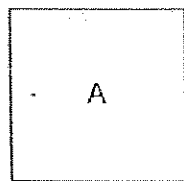
7. How many quarters are there in $5\frac{2}{8}$?
- (1) 21
(2) 22
(3) 40
(4) 42
- ()
8. Jazal bought nine packets of stickers. There were 116 stickers in each packet. How many stickers did she buy altogether?
- (1) 12
(2) 944
(3) 994
(4) 1044
- ()
9. Mr Choo saved \$370 a month. How much did he save at the end of 4 years?
- (1) \$1480
(2) \$4440
(3) \$14 800
(4) \$17 760
- ()
10. The total mass of Tim and Roger is 60 kg. The mass of Tim is 3 times that of Roger. What is the mass of Tim?
- (1) 15 kg
(2) 20 kg
(3) 40 kg
(4) 45 kg
- ()

11. $\frac{1}{3}$ of a number is 150. What is $\frac{1}{2}$ of the number?

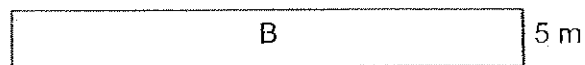
- (1) 50
- (2) 75
- (3) 225
- (4) 450

()

12. Square A and Rectangle B ^{have} ~~is~~ of the same area.



20 m



Find the perimeter of Rectangle B.

- (1) 16 m
- (2) 42 m
- (3) 80 m
- (4) 170 m

()

13. Refer to Booklet K.

14. Refer to Booklet K.

15. Refer to Booklet K.

End of Booklet A

Pei Chun Public School
Semestral Assessment 1 – 2007
Mathematics
Primary 4

Booklet B

Name : _____ ()

Marks :

Class : Primary 4 _____

Date : 7 May 2007

Time : 2 h

Maths Teacher : _____

Parent's Signature : _____

Booklet A	24
Booklet B	56
Booklet K	20
TOTAL	100

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)

Do not write
in this space

16. Complete the following pattern:

31 290 , 30 290 , _____ , 28 290 , 27 290

Ans : _____

17. Write 14 212 in words.

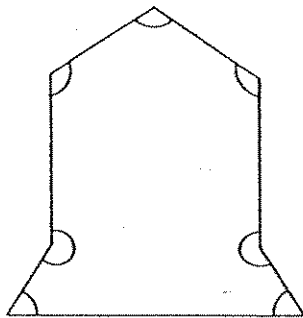
SCORE
179

18. What is the value of the digit 6 in the number 64 397?

Do not write
in this space

Ans : _____

19. How many of the marked angles in this figure are greater than a right angle?

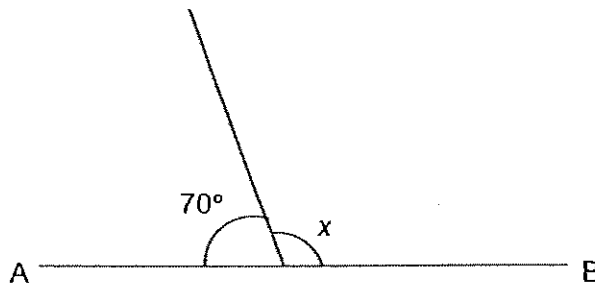


Ans : _____

20. Find the sum of 4528 and 9210.

Ans : _____

21. In this figure, AB is a straight line. Find $\angle x$.



Ans : _____

180

SCORE

Do not write
in this space

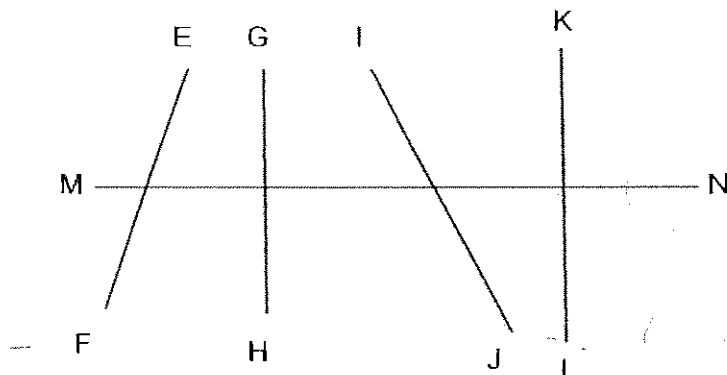
22. A square cardboard has an area of 144 cm^2 . Find its perimeter.

Ans : _____ cm

23. Ai Li started her tennis practice at 11.40 am. She finished her practice 2 h 25 min later. What time did she finish her practice?

Ans : _____ pm

24.



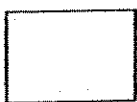
Name the line that is parallel to KL.

Ans : _____

25. $3 - \frac{1}{4} - \frac{1}{8} =$ _____

Ans : _____

181
SCORE



Questions 26 to 32 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. (14 marks)

Do not write
in this space

26. Write down the first three common multiples of 3 and 4.

Ans : _____

27. Karen bought more than 50 but less than 90 pieces of chocolate. She could either pack them equally into groups of 5 or 8. How many pieces of chocolate did she buy?

Ans : _____

28. Arrange the following fractions in order, beginning with the greatest.

$$\frac{1}{6}, \frac{1}{5}, \frac{3}{8}, \frac{2}{9}$$

Ans : _____

SCORE

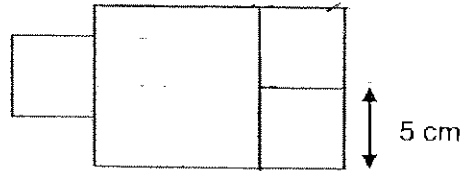
182

Do not write
in this space

29. The capacity of a can is half the capacity of a bottle. The total capacity of the bottle and can is 2 l 25 ml. What is the capacity of the can?

Ans : _____ ml

30. The figure below is made up of a big square and 3 identical small squares. What is the area of the figure?



Ans : _____ cm²

31. The mass of an empty tin is 450 g. When it is full of biscuits, its mass is 1 kg 600 g. Find the mass of the tin when it is half full of biscuits.

Ans : _____ kg _____ g

183

SCORE

32. The area of a rectangle is 2 times that of a square. The area of the square is 64 cm^2 and the breadth of the rectangle is 8 cm. What is the length of the rectangle?

Do not write
in this space

Ans: _____ cm

-
33. Refer to Booklet K.
34. Refer to Booklet K.
35. Refer to Booklet K.

SCORE

Questions 36 to 43 carry 4 marks each. Show your working clearly in the space below each question and write your answers in the spaces provided. (32 marks)

Do not write
in this space

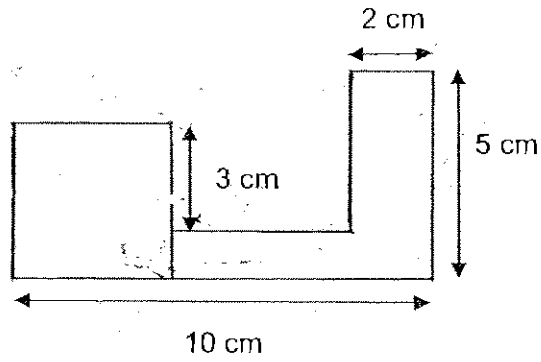
-
36. Mrs Suma had \$45. She bought a fish weighing 2 kg and a whole chicken. The fish cost \$4.30 per kg and the chicken cost \$5.30. How much money had she left?

Ans : _____

SCORE

37. The figure below is made up of a square and 2 rectangles. The perimeter of the square is 16 cm. Find the area of the figure.

Do not write
in this space



Ans : _____

SCORE 186

38. Yi Juan bought 50 boxes of pens. There were 125 pens in each box. She sold 1780 of the pens and repacked the rest equally into 6 bags. How many pens were there in each bag?

Do not write
in this space

Ans : _____

SCORE ¹⁸⁷

39. Mr Sng sold 450 ducks at \$19 each in 2 days. He sold 38 more ducks on the first day than on the second day. How much did he collect on the second day?

Do not write
in this space

Ans : _____

SCORE

188

40. Fiona had 180 tarts. She gave $\frac{1}{5}$ of the tarts to her brother and some tarts to her cousin. She had 104 tarts left. What fraction of the tarts did she give to her cousin? Give your answer in its simplest form.

Do not write
in this space

Ans : _____

SCORE ¹⁸⁹

43. 2 mangoes cost as much as 5 apples. Chee Meng bought 3 mangoes and 5 apples for \$15.
- (a) How much did a mango cost?
 - (b) How much did an apple cost?

Do not write
in this space

Ans : (a) _____

(b) _____

44. Refer to Booklet K.

45. Refer to Booklet K.

End of Booklet B

Set by : Ms Florence Tan SL
Vetted by: P4 Maths Committee Teachers

SCORE

190



ANSWER SHEET

PEI CHUN PRIMARY SCHOOL - PRIMARY 4 MATHEMATICS 2007
SEMESTRAL ASSESSMENT (1)

1. 3
 2. 1
 3. 3
 4. 2
 5. 3
 6. 2
 7. 1
 8. 4
 9. 4
 10. 4
 11. 3
 12. 4
 13. 0
 14. 0
 15. 0
 16. 29260
 17. Fourteen thousand, two hundred and twelve
 18. 60000
 19. 5
 20. 13738
 21. 110°
 22. 48cm
 23. 2.05pm
 24. GH
 25. $2\frac{5}{8}$
 26. 12, 24, 36
 27. 80 pieces
 28. $\frac{3}{8}, \frac{2}{9}, \frac{1}{5}, \frac{1}{6}$
 29. 675ml
 30. 175cm³
- 31) 1kg 25g
32) 16cm
36) $430 \times 2 = 860$
 $860 + 530 = 1390$
 $4500 - 1390 = 3110$
She had \$31.10 left.

37) $16 \div 4 = 4$

$10 - 4 = 6$

$4 - 3 = 1$

$3 + 1 = 4$

$5 - 4 = 1$

$10 - 4 - 2 = 4$

$10 \times 5 = 50$

$4 \times 4 = 16$

$50 - 16 = 34$

$4 \times 1 = 4$

$34 - 4 = 30$

The area of the figure
is 30cm^2

38) $125 \times 50 = 6250$

$6250 - 1780 = 4470$

$4470 \div 6 = 745$

There were 745 pens
in each bag.

39) $450 - 38 = 412$

$412 \div 2 = 206$

$206 \times 19 = 3914$

He collected \$3914
on the second day.

40) $180 \div 5 = 36$

$180 - 39 = 144$

$144 - 104 = 40$

(Fiona gave $\rightarrow 40/180$)
 $= 2/9$

She gave $2/9$ of the tarts
to her cousin.

41) $260 \times 3 = 780$

$780 + 860 = 1640$

$= 16\text{L}40\text{ml}$

42) $10 \div 2 = 5$

$5 \times 11 = 55$

$5 \times 4 = 20$

$55 + 55 = 110$

$20 + 20 = 40$

$110 + 40 = 150$

The perimeter of the
window is $1\text{m } 50\text{cm}$

43) $3 \text{ mangoes} \times 5 \text{ apple} = 15$

$3 \text{ mangoes} + 2 \text{ mangoes} \rightarrow 15$

$1 \text{ mango} \rightarrow 15 \div 5 = \3

$(2 \text{ mangoes} (5 \text{ apple})) \rightarrow 6$

$1 \text{ apple} \rightarrow 6 \div 5 = \1.20

METHODIST GIRLS' SCHOOL (Primary)
Mid-Year Examination 2007
Primary 4

Mathematics

Booklet A

Name: _____ ()

Class: P 4. _____

Total time for Booklets A, B and C: 1h 45 min

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

FOLLOW THE INSTRUCTIONS CAREFULLY.

ANSWER ALL QUESTIONS.

Section A: (40 marks)

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

1. What is eighty thousand, nine hundred and eight in numerals?
 - (1) 80 098
 - (2) 80 908
 - (3) 89 098
 - (4) 89 908

2. In 75 238, the value of the digit 7 is $7 \times$ _____.
 - (1) 1 000
 - (2) 7 000
 - (3) 10 000
 - (4) 70 000

3. A common factor of 36 and 48 is _____.
 - (1) 16
 - (2) 9
 - (3) 3
 - (4) 8

4. Which of the following numbers when divided by 18 gives a quotient of 27 with no remainder?
 - (1) 224
 - (2) 243
 - (3) 476
 - (4) 486

Go to page 2

5. The table below shows time taken for ⁵4 boys to run 100m. Study the table below and answer the following question. 2

Names	Time
Ali	13.4s
John	14.4s
Shawn	11.4s
Ming Li	16.4s
Ahmad	12.4s

Who ran faster than John by 2s?

- (1) Ali
 (2) Ahmad
 (3) Ming Li
 (4) Shawn
6. How many twelfths are there in $3\frac{7}{12}$?
- (1) 21
 (2) 33
 (3) 36
 (4) 43
7. What is the missing fraction in the box?

$$4\frac{3}{5} - 2\frac{11}{15} = \boxed{?}$$

- (1) $1\frac{2}{15}$
 (2) $1\frac{13}{15}$
 (3) $2\frac{2}{15}$
 (4) $2\frac{13}{15}$

Go to page 3

8. There are 96 sweets in a bag.

$\frac{2}{3}$ of the sweets are orange flavoured while the rest are raspberry flavoured.

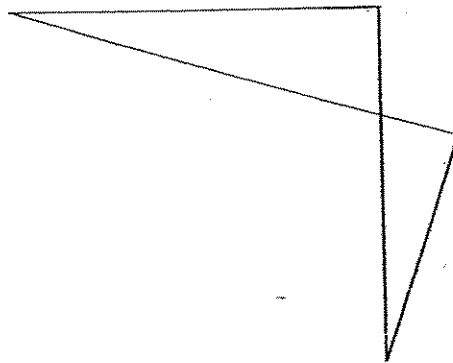
How many raspberry flavoured sweets are there?

- (1) 16
- (2) 32
- (3) 48
- (4) 64

9. How many $\frac{1}{4}$ -turns are there in 270° ?

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

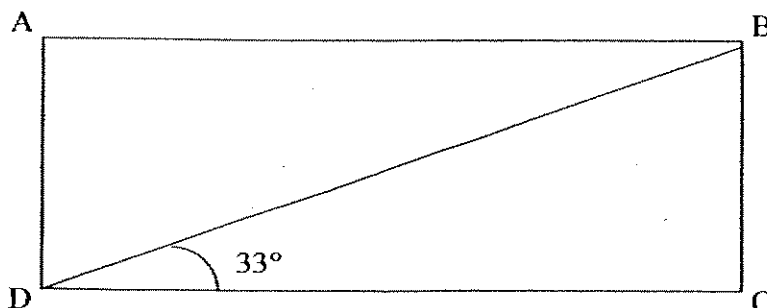
10. How many pairs of perpendicular lines are there in the figure below?



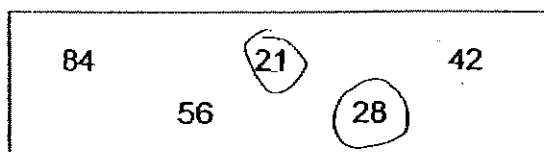
- (1) 1
- (2) 2
- (3) 3
- (4) 4

Go to page 4

11. ABCD is a rectangle. What is $\angle ADB$?



- (1) 33°
(2) 57°
(3) 67°
(4) 147°
12. Danny has \$7 000 when rounded off to the nearest \$100. What is the least possible amount of money Danny has?
- (1) \$6 549
(2) \$6 599
(3) \$6 949
(4) \$6 999
13. The numbers in the box below represent the multiples of a certain number. What number is that?



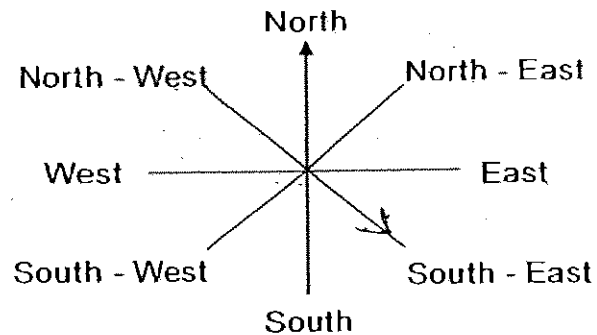
- (1) ~~9~~
(2) ~~7~~
(3) ~~3~~
(4) ~~4~~

Go to page 5

14. You are facing East.

You make three $\frac{1}{4}$ -turns clockwise and then a 45° turn in an anti-clockwise direction.

Which direction are you facing now?



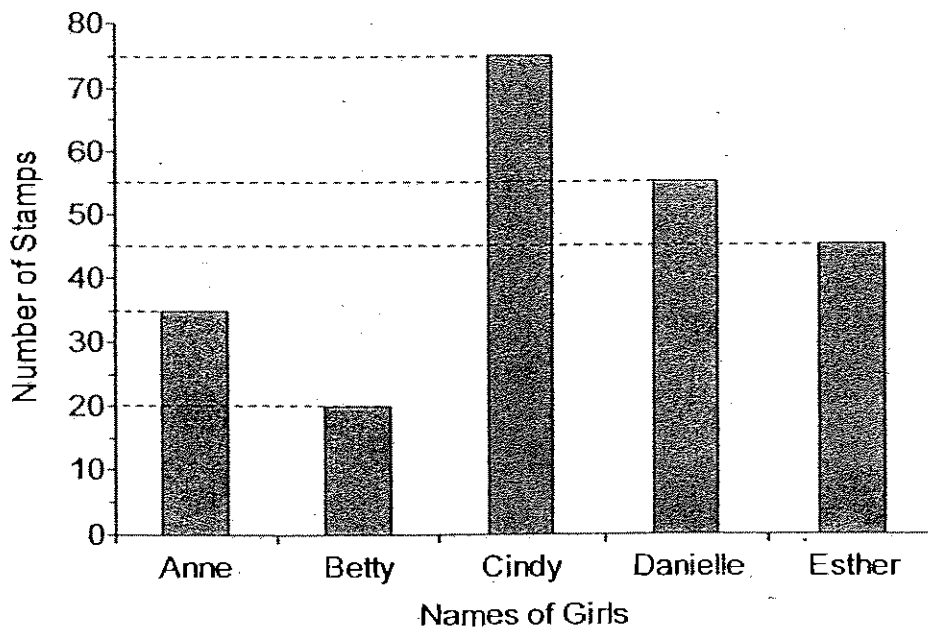
- (1) North – West
- (2) North – East
- (3) South – West
- (4) South – East

15. What is $\frac{75}{9}$ expressed as a mixed number in the simplest form?

- (1) $7\frac{5}{9}$
- (2) $7\frac{1}{3}$
- (3) $8\frac{3}{9}$
- (4) $8\frac{1}{3}$

Go to page 6

The graph below shows the number of stamps collected by 5 girls. Study it carefully and answer questions 16 and 17.



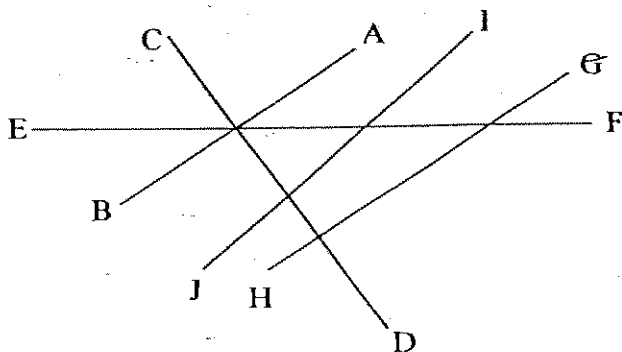
16. Who collected 20 more stamps than Anne?
- (1) Betty
 - (2) Cindy
 - (3) Esther
 - (4) Danielle
17. What is the difference in the number of stamps collected between the person who collected the most and the person who collected the least?
- (1) 10
 - (2) 15
 - (3) 35
 - (4) 55

Go to page 7

18. A ferry can take a maximum of 30 passengers per trip. Each trip cost \$15. If there were 4 172 passengers, how much money would be collected?

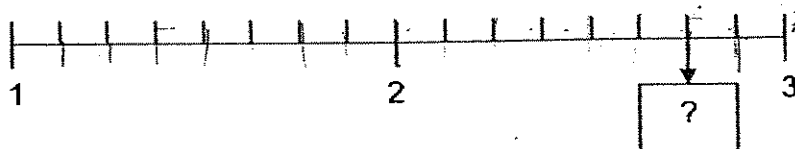
- (1) \$2 085
- (2) \$2 086
- (3) \$2 100
- (4) \$2 101

19. Which line is parallel to AB?



- (1) CD
- (2) EF
- (3) GH
- (4) IJ

20. What is the fraction in the box?



- (1) $2\frac{3}{4}$
- (2) $2\frac{7}{9}$
- (3) $2\frac{7}{8}$
- (4) $3\frac{1}{4}$

Go to page 8

METHODIST GIRLS' SCHOOL (Primary)
Mid-Year Examination 2007
Primary 4

Mathematics

Booklet B

Name: (_____)

Booklet B (40)	
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Class: P 4. _____

Total time for Booklets
A, B and C: 1h 45 min

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

FOLLOW THE INSTRUCTIONS CAREFULLY.

ANSWER ALL QUESTIONS.

Section B: (40 marks)

Show your working clearly in the space provided below each question and write your answers in the spaces provided.

For questions which require units, give your answers in the units stated.

21. I am a 2-digit number.
I lie between 30 and 50.
I am divisible by both 6 and 7.
What number am I?

Ans: _____

22. In the numeral 57 380, how much more is the value of the digit 5 than the value of the digit 8? Round off your answer to the nearest hundred.

Ans: _____

23. The difference between two numbers is 45.
One of the numbers is three times as many as the other number.
Find the sum of the two numbers.

Ans: _____

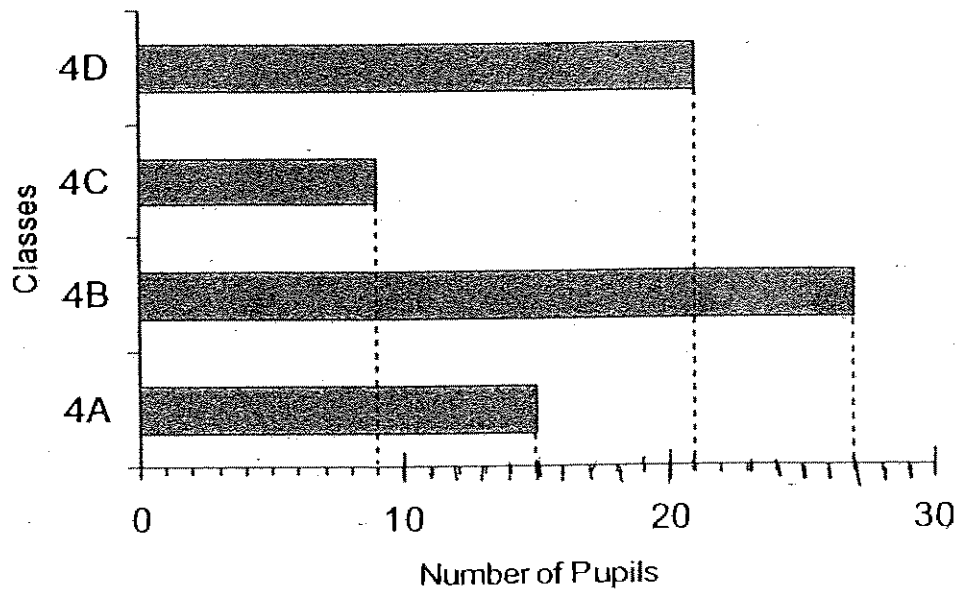
24. What is the missing number in the pattern?

3, 3, 6, 18, _____, 360

Ans: _____

Go to page 9

The graph below shows the number of pupils in Primary 4 who wears spectacles. Study it carefully and answer questions 25 and 26.



25. How many more pupils wear spectacles in 4B than in 4C?

Ans: _____

26. There are 40 pupils in each class. How many pupils in Primary 4A do not wear spectacles?

Ans: _____

10

27. The line AB has been drawn for you. Draw $\angle CAB$ such that $\angle CAB = 135^\circ$.



28. How many eighths are there in $2\frac{1}{2}$?

Ans: _____ eighths

29. What is the missing number in the box?

$$6\frac{3}{4} = \frac{\square}{12}$$

Ans: _____

30. There are 81 marbles in a bag.
18 marbles are blue, 27 marbles are green while the rest are pink.
What fraction of the marbles is pink?
Express your answer in the simplest form.

Ans: _____

Go to page 11

204

31. $\frac{3}{4}$ of the 180 pupils in School A are boys.

$\frac{1}{6}$ of the 90 pupils in School B are boys.

How many boys are there altogether in both schools?

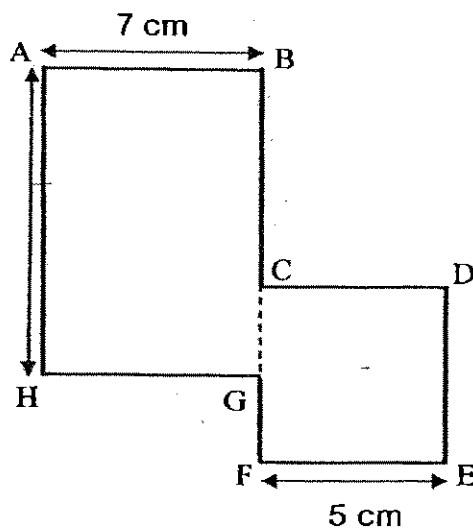
Ans: _____

32. Write down one way in which a square is different from a rectangle.

A square has _____
but a rectangle does not.

33. The figure is not drawn to scale. It is made up of rectangle ABGH and square CDEF, and $CG = GF$.

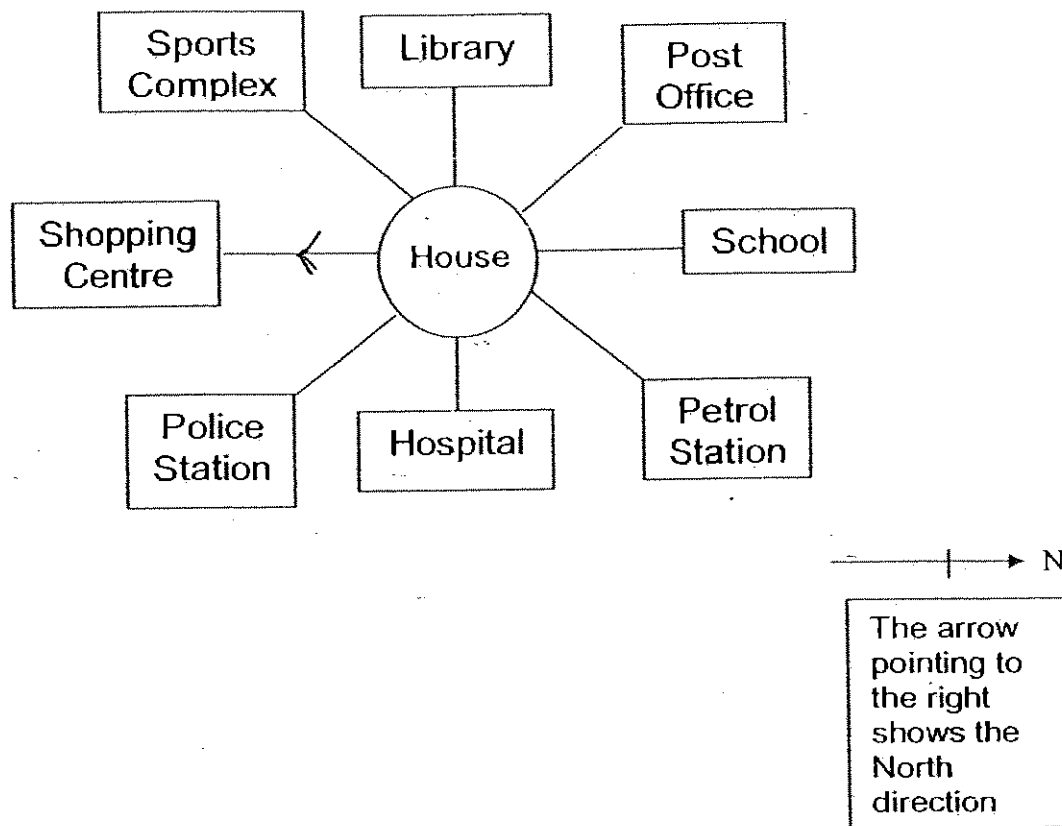
What is the total length of BC and GF?



Ans: _____ cm

Go to page 12

Study the picture below and answer Questions ^{34 35} ~~32~~ and ~~33~~.



34. You are facing the shopping centre. What is the angle you have to turn through in a clockwise direction to face the Post Office?

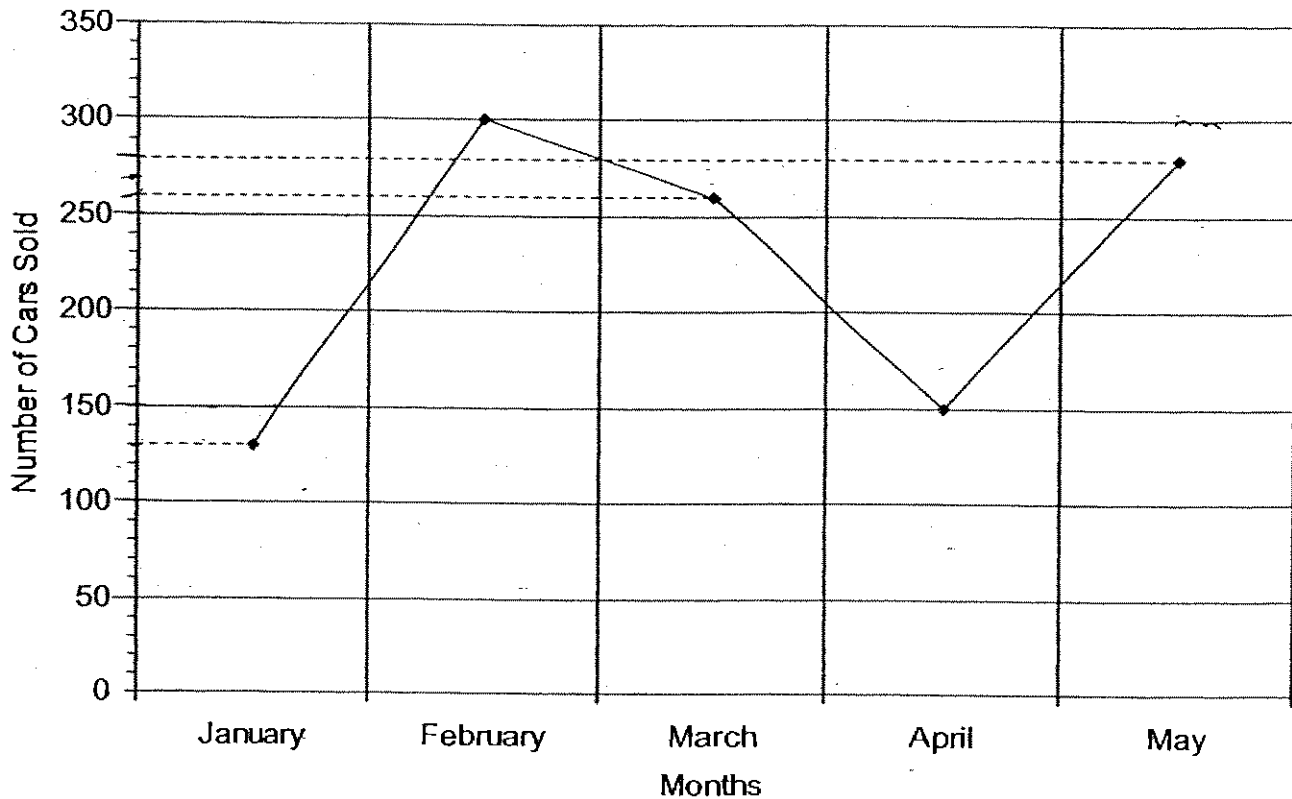
Ans: _____°

35. What is the direction of the Sports Complex from your house?

Ans: _____

Go to page 13

The graph below shows the number of cars sold by Mr Chong.
Study it and answer questions 36 and 37.



36. Between which two months was there the greatest increase in the number of cars sold?

Ans: _____ and _____

37. Mr Chong earns \$1 500 for every car sold. How much more money did he make in May compared to March?

Ans: \$ _____

Go to page 14

38.

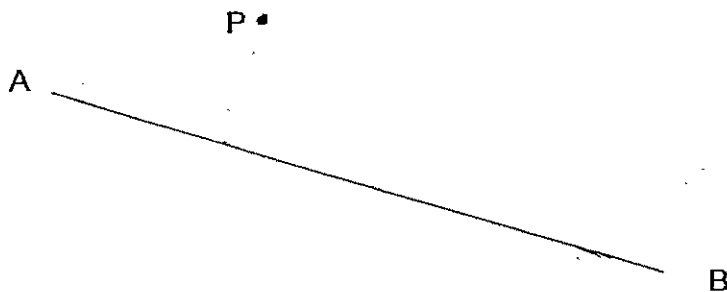
$$\star + \star + \star = 2$$

$$\square + \square + \square + \square = 20$$

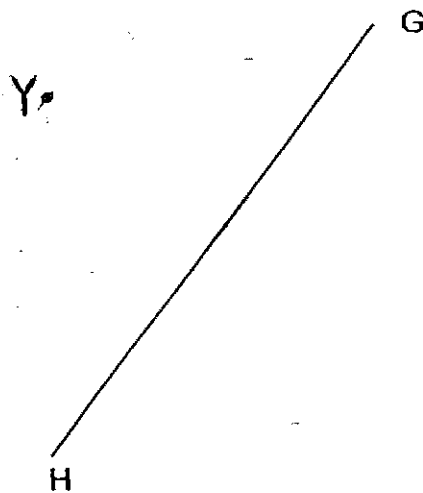
Find the value of $\square + \star$.

Ans: _____

39. Draw a perpendicular line, CD; through point P to meet AB.



40. Draw a line, EF, parallel to GH through point Y.



Go to page 15

METHODIST GIRLS' SCHOOL (Primary)
Mid-Year Examination 2007
Primary 4

Mathematics

Booklet C

Name: (_____)

Class: P 4. _____

Total time for Booklets
A, B and C: 1h 45 min

Booklet A (40)	
Booklet B (40)	
Booklet C (20)	
Total: (100)	

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

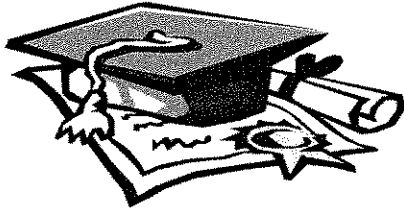
FOLLOW THE INSTRUCTIONS CAREFULLY.

ANSWER ALL QUESTIONS.

45. There are 155 pencils in bundle A.
There are 63 pencils in bundle B.
How many pencils must be moved from bundle A to bundle B so that bundle B will have 12 more pencils than bundle A?

Ans: _____ [4]

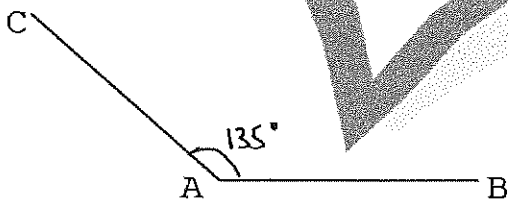
END OF PAPER



ANSWER SHEET

M G S PRIMARY SCHOOL - PRIMARY 4 MATHEMATICS 2007
SEMESTRAL ASSESSMENT (1)

- | | |
|---------------|--------------------------|
| 1. 2 | 28) 20 eights |
| 2. 3 | 29) 81 |
| 3. 3 | 30) $\frac{4}{9}$ |
| 4. 4 | 31) 150 boys |
| 5. 2 | 32) 4 equal sides |
| 6. 4 | 33) 12cm |
| 7. 2 | 34) 135° |
| 8. 2 | 35) south-west |
| 9. 3 | 36) January and February |
| 10. 2 | 37) \$30000 |
| 11. 2 | 38) $5\frac{2}{3}$ |
| 12. 4 | 39) |
| 13. 2 | |
| 14. 1 | |
| 15. 4 | |
| 16. 4 | |
| 17. 4 | |
| 18. 3 | |
| 19. 3 | 40) |
| 20. 1 | |
| 21. 42 | |
| 22. 49900 | |
| 23. 90 | |
| 24. 72 | |
| 25. 18 pupils | |
| 26. 25 pupils | |
| 27. | |



41) $15 \div 3 = 5$

$5 + 15 = 20$

Aminah had 20 balloons at first

42) $250 - 40 = 210$

$9 + 5 = 14$

$210 \div 14 = 15$

$15 \times 3 = 45$

A pair of jeans cost \$45

43) $48 \div 3 = 16$

$16 \times 4 = 64$

Shawn's weight is 64kg

44) $28 \div 4 = 7$

$7 \times 9 = 63$

He had 63 marbles at first.

45) $155 + 63 = 218$

$218 \div 2 = 109$

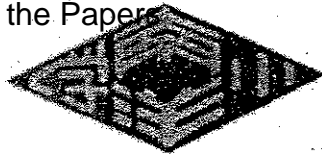
$109 + 6 = 115$

$155 - 115 = 40$

$40 + 6 = 46$

$46 + 6 = 52$

52 pencils must be moved.



NANYANG PRIMARY SCHOOL
FIRST SEMESTRAL EXAMINATION
2007

PRIMARY 4
MATHEMATICS

DURATION: 1 HOUR 45 MINUTES

Section A	/ 40
Section B	/ 40
Section C	/ 20

Total:	/ 100
---------------	--------------

Name: _____ ()

Class: Primary 4 ()

Date: 10th May 2007

Parent's Signature: _____

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

FOLLOW ALL INSTRUCTIONS CAREFULLY.

ANSWER ALL QUESTIONS.

Section A

Questions 1 to 20 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.

(Total: 40 marks)

1. Which of the following is the best estimate for $6490 \div 7$?

(1) $6300 \div 7$

(3) $7000 \div 7$

(2) $6500 \div 10$

(4) $7000 \div 70$

2. Complete the number pattern.

9492, 9392, _____, 9042, 8792

(1) 9142

(3) 9242

(2) 9192

(4) 9292

3. Julie is facing South. She then makes a $\frac{3}{4}$ turn clockwise, followed by a $\frac{1}{2}$ turn anti-clockwise. In which direction is she facing after making these turns?

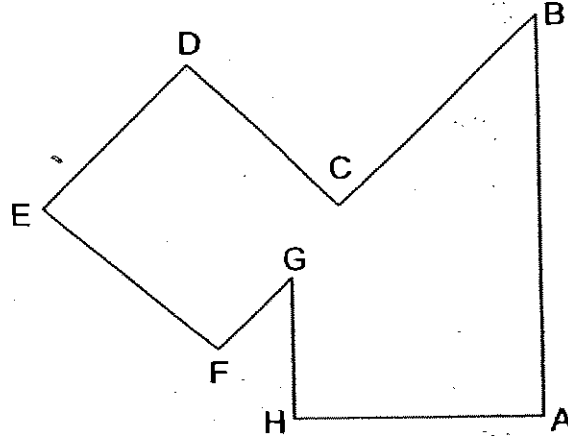
(1) North

(3) East

(2) South

(4) West

4. Study the figure below.



Which of the following pairs of statements is true?

- (1) $AH \parallel BC$ and $EF \perp DE$
- (2) $EF \parallel DC$ and $DC \perp CB$
- (3) $FG \parallel CB$ and $GH \perp HA$
- (4) $AB \parallel GH$ and $EF \perp DE$

5. Which of the following are factors of 42?

- (1) 2 and 4
- (2) 3 and 7
- (3) 6 and 8
- (4) 9 and 14

6. Which of the following are the common factors of 21 and 91?

- (1) 2 and 3
- (2) 3 and 7
- (3) 6 and 7
- (4) None of the above

7. What is the sum of the 3rd and the 6th multiples of 8?

- (1) 24
- (2) 48
- (3) 72
- (4) 82

8. The numbers, 108, 117, 126 and 135, are common multiples of _____

- (1) 2 and 3
(3) 9 and 18

- (2) 3 and 9
(4) 9 and 27

9. Sally bought 128 boxes of cupcakes. Each box contained 3 cupcakes. If she placed 5 cupcakes on each plate, how many plates would she need?

- (1) 72
(3) 76

- (2) 75
(4) 77

10. There are 35 pupils in a class. How many more girls than boys are there in the class if $\frac{3}{5}$ of the pupils are girls?

- (1) 7
(3) 21

- (2) 14
(4) 35

11. At a party, the children drank 7 bottles of orange juice. If there were $1\frac{1}{2}$ l of orange juice in each bottle, how many litres of orange juice did the children drink altogether?

- (1) $7\frac{1}{2}$
(3) $10\frac{1}{2}$

- (2) $8\frac{1}{2}$
(4) 21

12. What is the missing number in the box?
Give your answer in its simplest form.

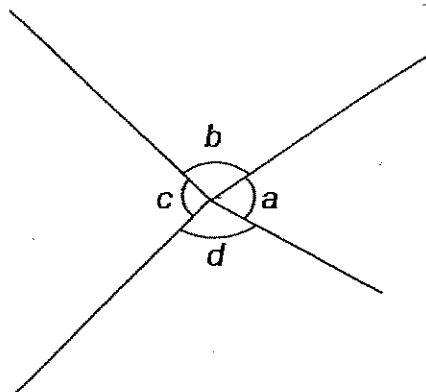
$$\square - \frac{1}{2} = \frac{5}{6}$$

- (1) $\frac{1}{3}$ (2) $\frac{5}{12}$
(3) $1\frac{1}{3}$ (4) $1\frac{2}{3}$

13. Round off 16 550 to the nearest hundred.

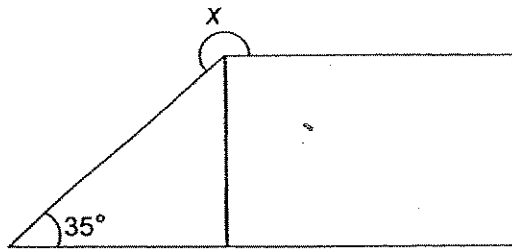
- (1) 16 000 (2) 16 500
(3) 16 600 (4) 17 000

14. In the figure below, which is a right angle?



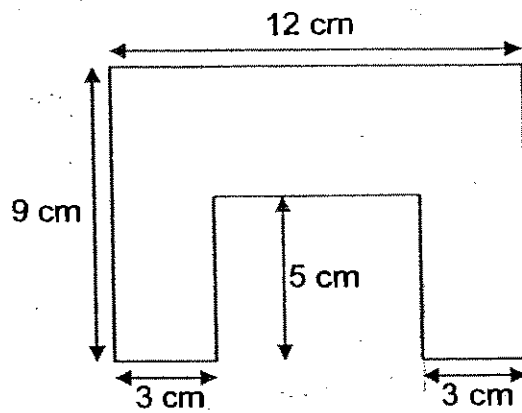
- (1) $\angle a$ (2) $\angle b$
(3) $\angle c$ (4) $\angle d$

15. The figure below consists of a rectangle and a triangle. Find $\angle x$.



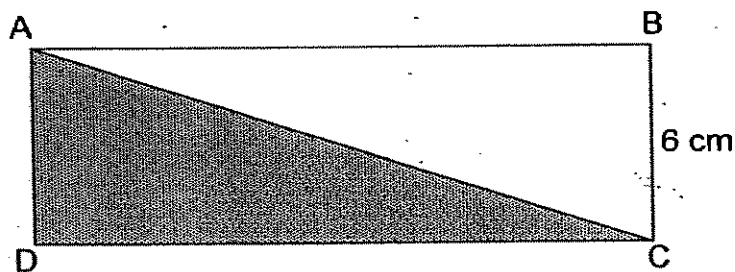
- (1) 215° (2) 225°
(3) 235° (4) 270°
16. Olivia's mother was 4 times Olivia's age 4 years ago. If their total age now is 48, how old is Olivia now?
- (1) 11 (2) 12
(3) 14 (4) 15
17. There are 375 chocolate coins in 1 packet. How many chocolate coins will James have if he buys 32 packets?
- (1) 11 250 (2) 11 900
(3) 12 000 (4) 13 000
18. What is the value of $3\frac{6}{7} + 1\frac{4}{7}$?
- (1) $2\frac{2}{7}$ (2) $4\frac{2}{7}$
(3) $4\frac{3}{7}$ (4) $5\frac{3}{7}$

19. What is the area of the figure below?



- (1) 54 cm^2 (2) 78 cm^2
(3) 84 cm^2 (4) 93 cm^2

20. ABCD is a rectangle as shown below. The area of the shaded region is 54 cm^2 . Find the length of the rectangle.



- (1) 9 cm (2) 16 cm
(3) 18 cm (4) 36 cm

Section B

Questions 21 to 40 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.

(Total: 40 marks)

21. In 481 500, the digit 1 is in the _____ place.

Answer : _____

22. Write 19 412 in words.

23. Find the product of 567 and 73. Round off the answer to the nearest thousand.

Answer : _____

24. In the box below, circle all the factors of 18.

36	22	0	1
2	6		
18	4	12	5
	3		9

25. Express $\frac{51}{6}$ as a mixed number in its simplest form.

Answer : _____

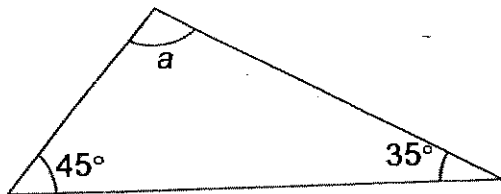
26. Express $2\frac{1}{3}$ as an improper fraction in its simplest form.

Answer : _____

27. Class A has 20 pupils and Class B has 25 pupils. In each class, the teacher divides the pupils into groups with equal number of pupils. If both classes have the same number of groups, how many groups will there be in each class?

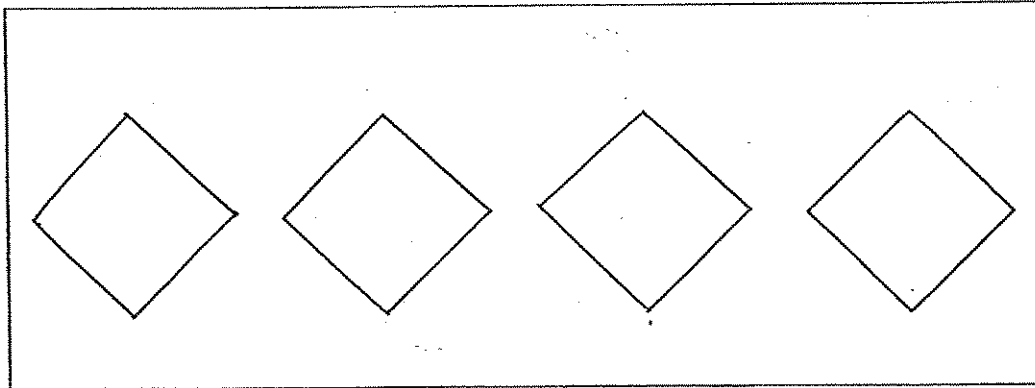
Answer : _____

28. Express $\angle a$ as a fraction of the sum of all the angles in the triangle. Give your answer in its simplest form.



Answer : _____

29. Colour the shapes to represent the improper fraction $\frac{5}{2}$.



30. Arrange the numbers in ascending order.

12 328, 13 200, 12 437, 13 189, 12 278

31. Matthew has 133 erasers. After giving away some of his erasers to his friends, he has 5 erasers left. If each of his friends receives 8 erasers, how many friends does Matthew have?

Answer : _____

32. Find the value of $1\frac{1}{3} - \frac{3}{4}$.

Answer : _____

33. What is the missing number in the box?

$$\frac{6}{5} \times 30 = \square \times 4$$

Answer : _____

34. What must be added to $\frac{7}{12}$ to get 2 wholes? Give your answer in its simplest form.

Answer : _____

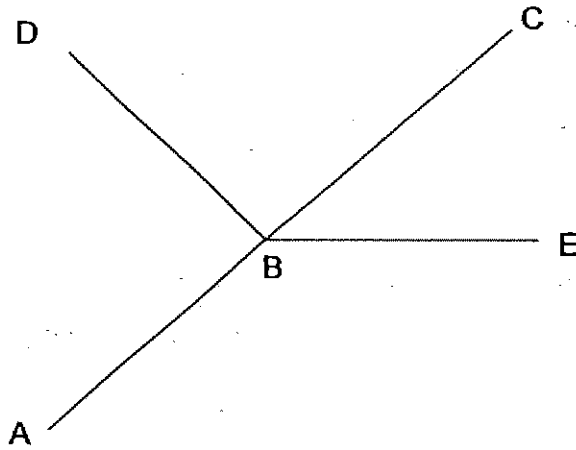
35. Pauline spent $\frac{1}{8}$ of her salary on a watch. If her salary was \$1600, how much money had she left?

Answer : \$ _____

36. Bala has 1395 marbles. They are packed into bags of 5. He decides to re-pack them into bags of 3. How many more bags does he need if he packs them in bags of 3?

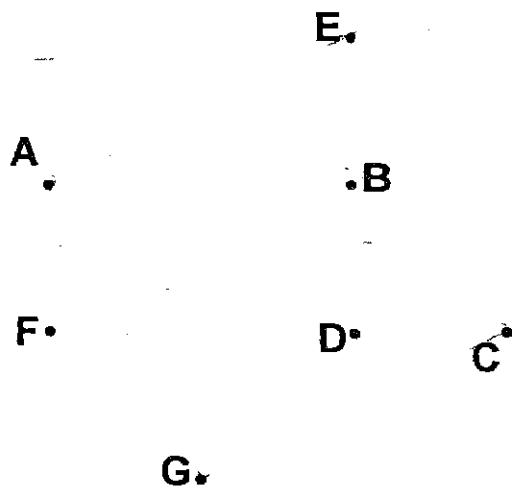
Answer : _____

37. ABC, BD and BE are straight lines. Name the angle ^{are less than} ~~that is equal to~~
~~45°~~
 90°.

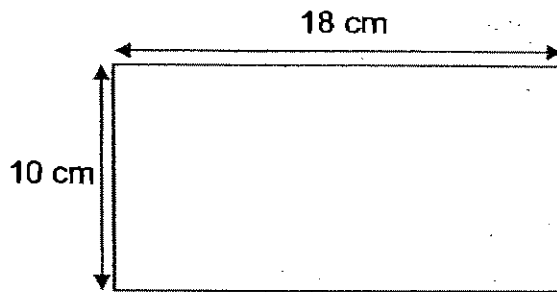


Answer : _____

38. Join four of the dots below to form a square. The four dots should form the corners of the square.



39. The perimeter of a square is the same as the perimeter of the rectangle shown below. What is the length of each side of the square?



Answer : _____ cm

40. Ali had $\frac{2}{5}$ kg of lychees. Tami had $\frac{3}{10}$ kg more lychees than Ali. How many kilograms of lychees did Tami have left if she gave away $\frac{1}{2}$ kg of lychees to her friend? (Give your answer in its simplest form)

Answer : _____ kg

Section C

Questions 41 to 45 carry 4 marks each. Do these word problems carefully. Show your working clearly in the space provided for each question and write your answers in the spaces provided.

(Total: 20 marks)

41. A packet of sweets is to be shared by some children. The number of sweets in the packet is more than 50 but fewer than 120. The sweets can be shared by 3, 4 or 5 children equally without any remainder. How many sweets are there in the packet?



Answer : _____

42. Siva bought \$945 worth of gift boxes at \$7 each. He had to throw some away as they were damaged. He sold the rest at \$9 each and collected \$1116. How many gift boxes did he throw away?



Answer : _____

43. Tommy had a wooden pole. $\frac{2}{3}$ of it was painted white and $\frac{1}{3}$ of the remainder was painted blue. The rest was painted yellow. What fraction of the pole was painted yellow?



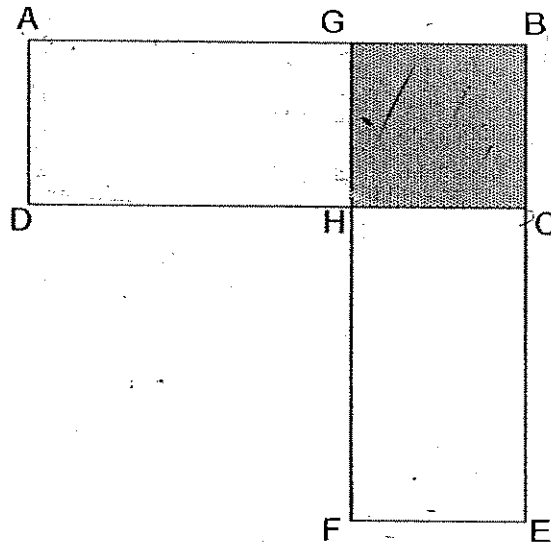
Answer : _____

44. Jimmy, Tom and Harry had some Digimon cards. Jimmy received 7 cards from Tom and 10 cards from Harry. After receiving the cards, Jimmy had 3 times as many cards as Tom and Tom had twice as many cards as Harry. If they had 81 cards altogether, how many cards did Tom have at first?



Answer : _____

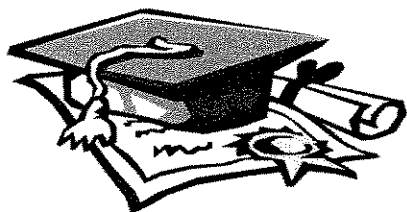
45. Two identical rectangles, ABCD and EFGH, overlap each other as shown in the figure below. The area of the figure is 132 cm^2 . If the shaded part is a square and the area of each rectangle is 84 cm^2 , find the length of DH.



Answer : _____

END OF PAPER

Setters: Mavis Tan
Mohammad



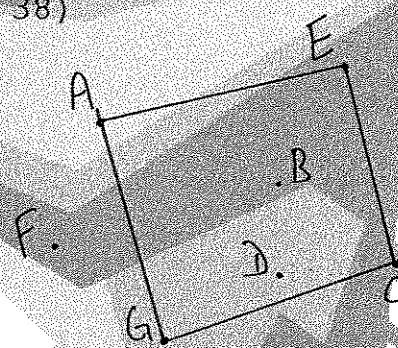
ANSWER SHEET

NANYANG PRIMARY SCHOOL - PRIMARY 4 MATHEMATICS 2007
SEMESTRAL ASSESSMENT (1)

1. 1
2. 4
3. 4
4. 3
5. 2
6. 4
7. 3
8. 2
9. 3
10. 1
11. 3
12. 3
13. 3
14. 3
15. 1
16. 2
17. 3
18. 4
19. 2
20. 3
21. thousands
22. nineteen thousand four hundred and twelve
23. 41000
24. 18, 2, 6, 3, 1, 9
25. $8\frac{1}{2}$
26. $\frac{7}{3}$
27. 5
28. $\frac{5}{9}$
29. ◆ ◆ ◆
30. 12278, 12328, 12437, 13189, 13200

- 31) 16
- 32) $7\frac{7}{12}$
- 33) 9
- 34) $1\frac{5}{12}$
- 35) \$1400
- 36) 186
- 37) $\angle ABD$
- 38)

39) 14CM



40) Ali \rightarrow $4/10$

Tami \rightarrow $7/10$

$$4/10 + 3/10 = 7/10$$

$$7/10 - 5/10 = 2/10$$

$$2/10 \rightarrow 1/5 \text{ kg}$$

41) There are 60 sweets in the packet.

42) $945 \div 7 = 135$

$$1116 \div 9 = 124$$

$$135 - 124 = 11$$

He threw away 11 boxes.

43) $2/9$ of the pole was painted yellow.

44) $81 \div 9 = 9$

$$9 \times 2 = 18$$

$$18 + 7 = 25$$

45) $84 + 84 = 168$

$$168 - 132 = 36$$

$$36 \div 6 = 6$$

$$84 \div 6 = 14$$

$$14 - 6 = 8$$

The length is 8 cm.



AI TONG SCHOOL

2007

SEMESTRAL ASSESSMENT 1

PRIMARY 4

MATHEMATICS

DURATION : 1 h 45 min

DATE : 11 May 2007

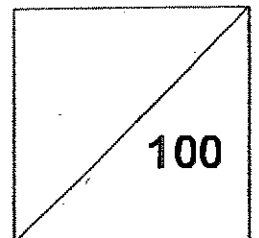
INSTRUCTIONS

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

Name : _____ ()

Class : Primary 4 _____

Marks:



Parent's Signature : _____

Date : _____

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 oval (1, 2, 3, or 4) on the Optical Answer Sheet with a 2B pencil.

(20 marks)

1 In 68 445, the digit 6 is in the _____ place.

- (1) ones
- (2) tens
- (3) thousands
- (4) ten thousands

2 How many **tens** are there in 12 000?

- (1) 12
- (2) 120
- (3) 1200
- (4) 12 000

3 23 987 is _____ when rounded off to the **nearest hundred**.

- (1) 23 900
- (2) 23 980
- (3) 24 000
- (4) 24 900

4 What is the first common multiple of 6 and 8?

- (1) 64
- (2) 48
- (3) 36
- (4) 24

5 $345 \times 36 = 345 \times \square$

- (1) $3 + 6$
- (2) 3×6
- (3) $4 + 9$
- (4) 4×9

6 What is the sum of the **fourth** and **eighth** multiple of 7?

- (1) 19
- (2) 32
- (3) 39
- (4) 84

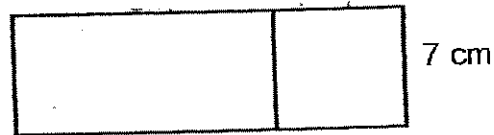
7 Which one of the following has the greatest value?

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

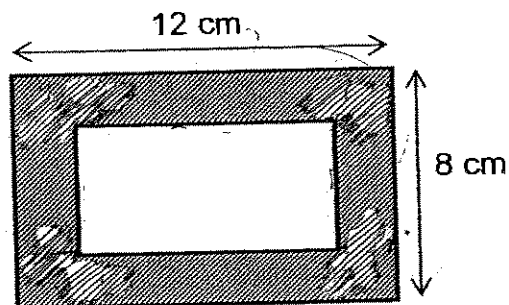
8 How many eighths are there in $2\frac{3}{4}$?

- (1) 10
- (2) 11
- (3) 19
- (4) 22

- 9 The figure below is made up of a square and rectangle. The length of the rectangle is twice the width of the square. Find the perimeter of the figure.
(The figure is not drawn to scale.)

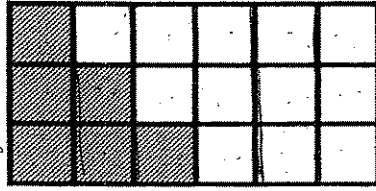


- (1) 42 cm
(2) 56 cm
(3) 63 cm
(4) 147 cm
- 10 A picture was pasted on a cardboard with a 2-cm border all around it. Find the area of the **shaded** part. (The figure is not drawn to scale.)



- (1) 32 cm²
(2) 60 cm²
(3) 64 cm²
(4) 96 cm²

- 11 How many more squares must be shaded so that $\frac{5}{6}$ of the figure will be shaded?



- (1) 6
 (2) 9
 (3) 12
 (4) 15
- 12 $4 \times \frac{1}{5}$ is equal to _____.

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

- 13 A small tin has 3 litres of paint. A large tin has twice as much paint as the small tin. How much paint will there be in 2 small tins and 3 large tins?

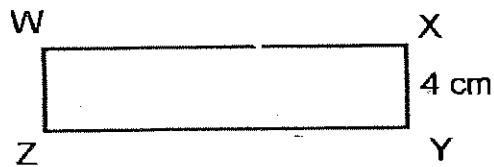
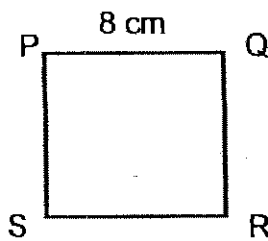
- (1) 6 litres
 (2) 11 litres
 (3) 24 litres
 (4) 36 litres

14 Using the digits 3, 8, 0, 9 and 4, form the smallest 5-digit even number.

- (1) 43 890
- (2) 40 398
- (3) 30 498
- (4) 34 890

15 Square PQRS and Rectangle WXYZ have the same perimeter.

What is the length of the rectangle? (The figures are not drawn to scale.)



- (1) 8 cm
- (2) 12 cm
- (3) 16 cm
- (4) 24 cm

Section B

Questions 16 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.

(40 marks)

16 The value of digit 8 in 87 425 is $8 \times$ _____.

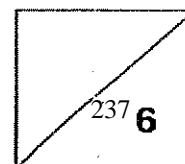
Ans: _____

17 A number between 10 and 20 has 6 factors. The sum of all the factors is 39.
What is the number?

Ans: _____

18 Shanti bakes 1020 cookies. She wants to pack them into tins. If a tin can contain 8 cookies, what is the least number of tins she needs?

Ans: _____



Ans: _____

- 20 John and Peter have 2450 stamps altogether. If John has 1656 stamps, how many more stamps does he have than Peter?

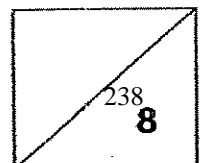
Ans: _____

- 21 $540 \times 35 = \underline{\hspace{2cm}} \times 35 + 40 \times 35$. What is the missing number?

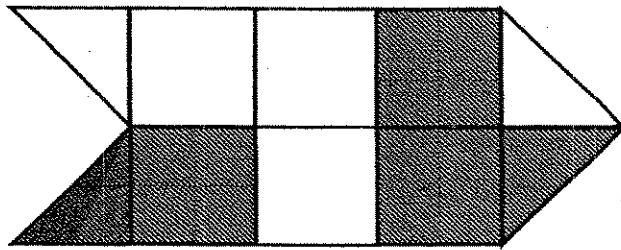
Ans: _____

- 22 Mary bought 5 dresses. Two of the dresses cost \$150 and the rest cost \$85 each. How much did she pay for all the dresses?

Ans: \$ _____



- 23 What fraction of the figure is not shaded? Express your answer in the simplest form.



Ans: _____

- 24 Amy drinks $\frac{1}{4}$ litres of milk every day. How many litres of milk will she drink in a week? (Give your answer as a mixed number.)

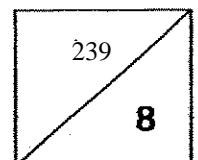
Ans: _____ litres

- 25 $\frac{2}{3}$ of ~~36~~ = 8 × _____

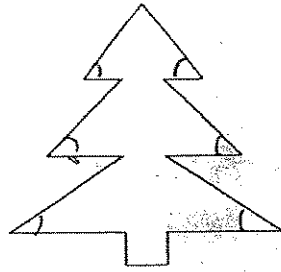
Ans: _____

- 26 Mr Ong had 72 apples. He used $\frac{4}{9}$ of them to make apple juice. How many apples had he left?

Ans: _____

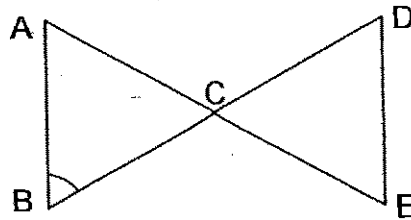


27 How many angles in the figure below are less than 90° ?



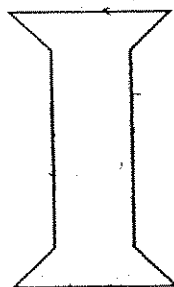
Ans: _____

28 Using a protractor, find $\angle ABC$.

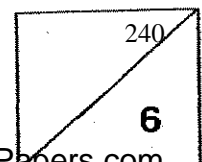


Ans: _____

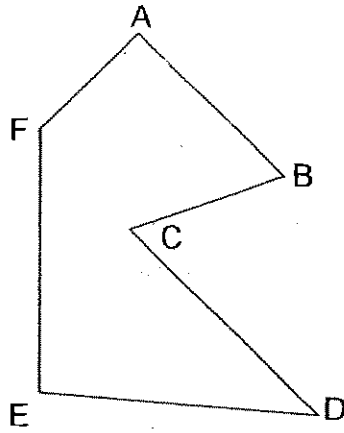
29 How many pairs of parallel lines are there?



Ans: _____

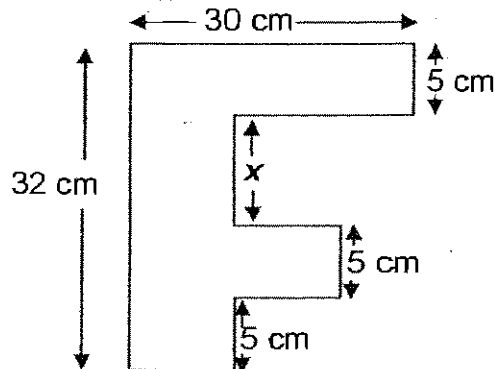


30 Name the pair of perpendicular lines in the figure below.



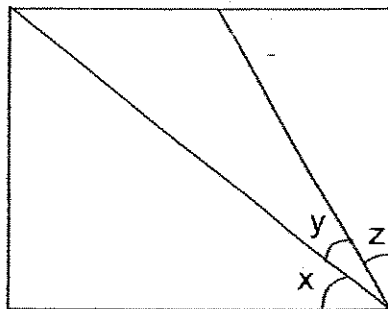
Ans: _____

31 Find the length of x . (The figure is not drawn to scale.)

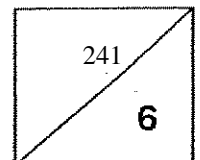


Ans: _____ cm

32 The figure, not drawn to scale, shows a rectangle. If $\angle y$ is 20° and the size of $\angle x$ is twice as big as the size of $\angle y$, what is $\angle z$?



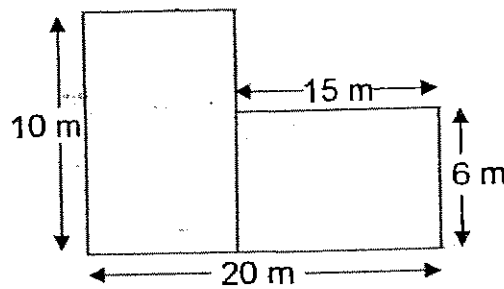
Ans: _____



33 Find the perimeter of a square which has an area of 144 cm^2 .

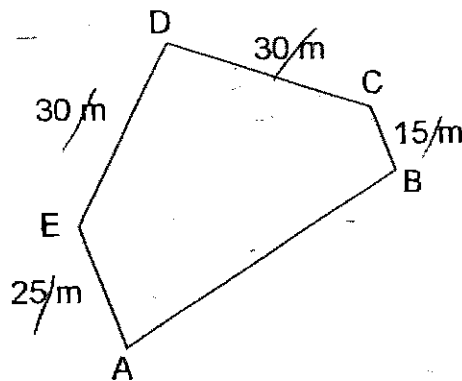
Ans: _____ cm

34 Find the area of the figure below. (The figure is not drawn to scale.)

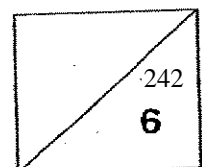


Ans: _____ m^2

35 The perimeter of the park is 180 m. What is the length of AB?



Ans: _____ m



Section C

Questions 36 to 45 carry 4 marks each. Show your working clearly in the space provided below each question and write your answers in the spaces provided.

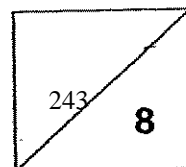
(40 marks)

-
- 36 Container A has 288 sweets and container B has 360 sweets. How many sweets must be transferred from Container B to Container A so that Container A will have 54 sweets more than Container B?

Ans: _____ [4]

-
- 37 Mrs Devi sold 5894 plates of noodles on Monday and Tuesday. She sold 6499 plates of noodles on Tuesday and Wednesday. If she sold 2455 plates of noodles on Wednesday, how many plates of noodles did she sell on Monday?

Ans: _____ [4]

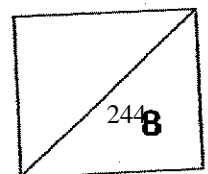


- 38 Pen A costs 4 times as much as Pen B. The price of Pen C is $\frac{3}{4}$ the price of Pen A. If Pen C costs \$18, what is the price of Pen B?

Ans: _____ [4]

- 39 Leo bought 5 boxes of shuttlecocks. He then packed the shuttlecocks into tubes. Each tube had 6 shuttlecocks. After packing them, he found that he had 17 tubes and 3 shuttlecocks left. How many shuttlecocks were there in each box?

Ans: _____ [4]

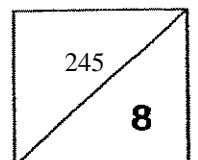


- 40 The length of a rectangular room is 12 m. Its width is half its length.
How much will it cost to tile the whole room at \$20 per square metre?

Ans: _____ [4]

- 41 Jaya paid a total of \$270 for 3 shirts and 2 pairs of shoes. Each pair of shoes cost \$15 more than a shirt. How much did the 1 pair of shoes cost?

Ans: _____ [4]



45 440 red, blue and white beads were used to make a purse. There were three times as many red beads as blue beads.

The number of blue beads was $\frac{2}{3}$ the number of white beads.

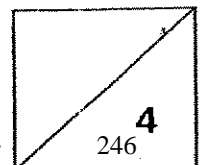
(a) How many red beads were there?

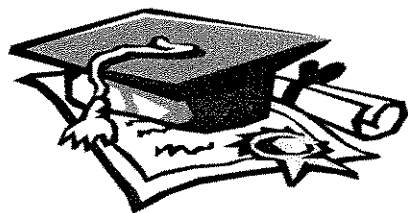
(b) If all the beads were packed equally into 15 boxes, how many white beads were there in each box?

Ans: _____ [4]

END-OF-PAPER

Please check your work carefully





ANSWER SHEET

AI TONG PRIMARY SCHOOL - PRIMARY 4 MATHEMATICS 2007
SEMESTRAL ASSESSMENT (1)

1. 4 31) 17cm
2. 3 32) 30°
3. 3 33) 48cm
4. 4 34) 140m²
5. 4 35) 80m
6. 4 36) 360-288=72
7. 1 72-54=18
8. 4 Container B must transferred 18
9. 2 sweets to container A.
10. 3
11. 2 37) 6499-2455=4044 (Tuesday)
12. 1 5894-4044=1850 (Monday)
13. 3 She sell 1850 plates of noodles
14. 3 on Monday.
15. 2
16. 1000
17. 18 38) 28+18=42
18. 128 42x4=168
19. 3540 The price of Pen B is
20. 862 more stamps 168 sweets.
21. 500
22. \$405 39) 17x6=102
23. $\frac{1}{2}$ 102+3=105
24. $1\frac{3}{4}$ 105÷5=21
25. 3 There are 21 shuttle
26. 40apples left cooks in each box.
27. 7
28. 60° 40) 12÷2=6m
29. 4 12x6=72m²
30. FA⊥AB \$20x72=\$1440
- It will cost \$1440 to tile
the whole room.

41) 3 shirts

x	x	x
---	---	---

 } \$270

2 pair of shoes

x	x	15	15
---	---	----	----

 }

$$3x + 2x + 15 + 15 = \$270$$

$$5x + 30 = \$270$$

$$5x = 270 - 30$$

$$x = 240 \div 5$$

$$x = 48$$

1 pair of shoes = $48 + 15 = \$63$

One pair of shoes cost \$63

42) rectangle = $30 \times 20 = 600 \text{cm}^2$

Area = $10 \times 10 = 100 \text{cm}^2$

Shaded part = $600 - 100 - 109 = 391 \text{cm}^2$

The area of the shaded part is 149cm^2

43) $90^\circ - 40^\circ = 50^\circ$

$\angle CDE$ is 50°

44) $2400 \times \frac{1}{3} = \800

$800 \times 12 = 9600$

$9600 \times \frac{5}{8} = \600

45) 8 white beats



NAN HUA PRIMARY SCHOOL
CONTINUAL ASSESSMENT 2 - 2007
PRIMARY 4

MATHEMATICS
(BOOKLET A)



Name: _____ ()

Class: Pr. 4 _____

Date: 21 August 2007

Booklet A	/ 34
Booklet B	/ 66
TOTAL	/ 100

Parent's Signature & Date

Total Time for booklets A and B: 1 hour 45 min

INSTRUCTION TO CANDIDATES

1. Write your Index Number in the brackets provided.
2. Do not turn over the page until you are told to do so.
3. Follow all instructions carefully.
4. Answer all questions.

Section A: Multiple-Choice Questions (17 × 2 marks)

Of the 4 options given, only one is correct. Choose the correct answer and write its number (1, 2, 3 or 4) in the brackets provided.

- 1) In 31 425, the digit '4' stands for _____
- 1) 40 000
 - 2) 4 000
 - 3) 400
 - 4) 40
- ()

- 2) The common factors of 30 and 36 are _____
- 1) 1, 2, 3, 4
 - 2) 1, 2, 3, 5
 - 3) 1, 2, 3, 6
 - 4) 1, 2, 3, 7
- ()

- 3) Which one of the following has the **largest** value?
- 1) 9.09
 - 2) 9.19
 - 3) 9.3
 - 4) 9.28
- ()

- 4) There are _____ halves in $6\frac{1}{2}$.
- 1) 15
 - 2) 13
 - 3) 11
 - 4) 9
- ()

- 5) Find $7.36 \div 4$
- 1) 0.184
 - 2) 1.84
 - 3) 18.4
 - 4) $184 \times$
- ()

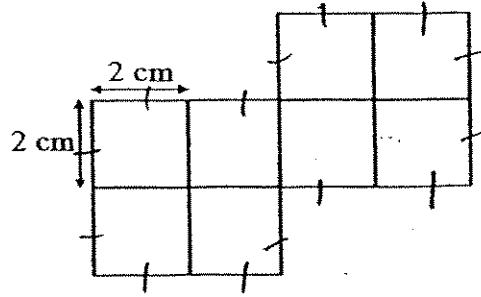
- 6) 8 tenths $\div 2 =$ _____ tenths
- 1) 16
 - 2) 2
 - 3) 8
 - 4) 4
- ()

- 7) How many **tenths** are there in 6.3 ?
- 1) 0.3
 - 2) 0.6
 - 3) 60
 - 4) 63
- ()

- 8) Subtract 1.75 from 3.24 is _____
- 1) 1.49
 - 2) 14.9
 - 3) 2.49
 - 4) 2.51
- ()

- 9) The perimeter of a square is 14.16 cm. Find the **length** of each side of the square.
- 1) 0.354 cm
 - 2) 3.54 cm
 - 3) 7.08 cm
 - 4) 56.54 cm
- ()

- 10) The figure below, not drawn to scale, is made up of 2-cm by 2-cm squares. Find its perimeter.



- 1) 46 cm
 2) 30 cm
 3) 28 cm
 4) 14 cm
- ()
- 11) Express $\frac{7}{25}$ as a decimal.

- 1) 0.28
 2) 2.8
 3) 7.25
 4) 25.7
- ()

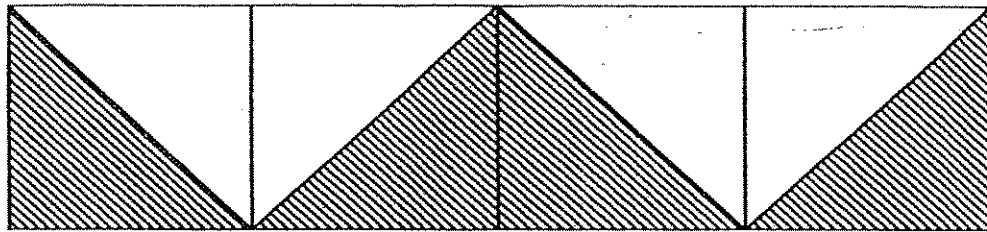
12) $10 + \frac{2}{5} + \frac{1}{50} = \square$

- 1) 10.42
 2) 10.21
 3) 12.4
 4) 12.1
- ()

- 13) There are 840 cookies altogether in 2 boxes. In each box, there is an equal number of packets of cookies. If each packet contains 6 cookies, how many packets are there in each box?

- 1) 420
 2) 140
 3) 105
 4) 70
- ()

14) What fraction of the figure is shaded?



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

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

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

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

()

15) A dining table set consists of 5 chairs and a table. Each chair costs \$ 150 and the table costs \$410. What is the total cost of the whole set?

1) \$ 560

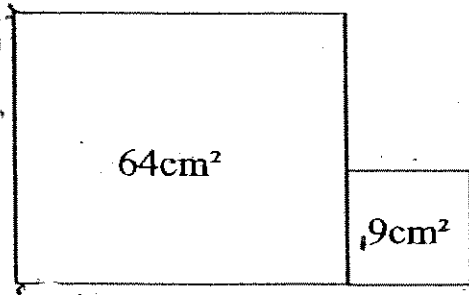
2) \$ 750

3) \$1 160

4) \$2 800

()

- 16) The figure, not drawn to scale, is made up of two squares. Find the **perimeter** of the figure.



- 1) 11 cm
- 2) 24 cm
- 3) 38 cm
- 4) 44 cm

()

- 17) Wei Xuan spent \$20.70 at the book fair. He spent thrice as much as Yaruo. How much did **both** of them spend altogether?

- 1) \$ 6.90
- 2) \$ 27.60
- 3) \$ 41.40
- 4) \$ 82.80

()

**Nan Hua Primary School
Continual Assessment 2 - 2007
BOOKLET B**

Name: _____ () Class: Pr. 4 _____

Marks: _____ / 66

Section B: Mental Sums (6 × 1 mark)

Listen carefully and write down the answers in the blanks provided.

18)

19)

20)

21)

22)

_____ pairs

23)

Section C: Open-ended Questions (20 × 2 marks)

Write out the correct answers for the following questions in the boxes provided.

Give your answers in the units stated.

- 24) What is the value of $25.36 + 12.72$?

- 25) Ariel has 1.53 ℓ of blue paint. She has 7 times as much red paint as blue paint.
How much red paint does she have? (Round off your answer to **1 decimal place**.)

- 26) Arrange the decimals in **increasing** order.

7.608, 7.068, 7.086, 7.806

- 27) Miss Goh has \$5. She has 4 times as much money as Mdm Lee.
How much **more** money does Miss Goh have than Mdm Lee?

28) $98.22 = 90 + 8 + \frac{1}{\boxed{}} + \frac{2}{100}$

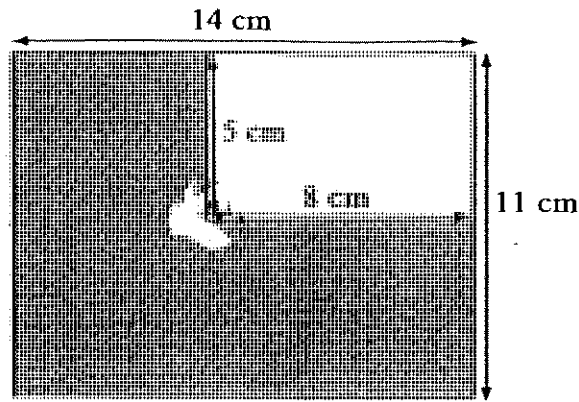
The missing number in the box is

29) What is 1.05 less than 5.5?

30) Harold, Joshua and Cindy each bought 5 eggs at the market. Some of their eggs cracked on their way home. Harold has 1 egg more than Joshua. Joshua has 3 eggs less than Cindy. If Cindy's eggs did not crack at all, how many eggs does Harold have now?

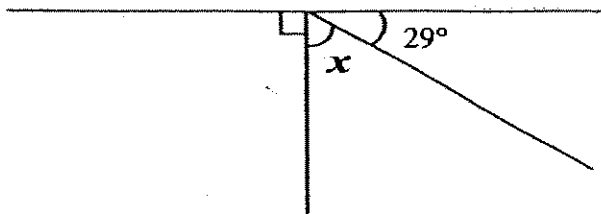
31) Lily and Shan shared \$50. Lily's share was \$10 more than Shan's share. How much did Lily receive?

- 32) Find the area of the shaded part of the rectangle below.
(The figure is not drawn to scale.)



- 33) In $4\frac{1}{3} = \frac{13}{3} = \frac{\square}{9}$, what is the missing number in the box?

- 34) The figure below is not drawn to scale. Find $\angle x$.



- 35) Daniel spent $\frac{1}{3}$ of the day in school. He spent $\frac{1}{6}$ of the day at the child-care centre and the rest of the day at home. What fraction of the day did he spend at home?
Give your answer in its simplest form.

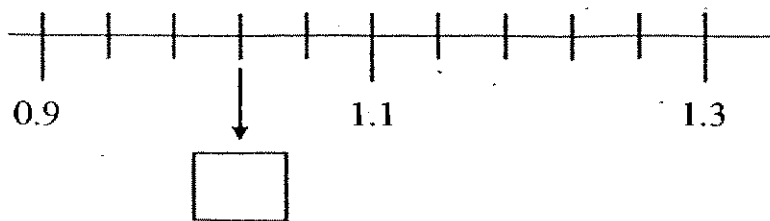
- 36) Find the difference between 57.1 and 23.89.
Round off your answer to the nearest tenth.

- 37) Darryl bought 6 chocolate cakes. Each chocolate cake cost \$8.55.
How much did Darryl give the cashier if he received \$3.70 change?

- 38) Mrs Lee used $6\frac{1 \times 2}{2 \times 2} \ell$ of petrol last week and $4\frac{3}{4} \ell$ this week.
How much more petrol did she use last week?

- 39) 16 children contributed \$8 each to buy a birthday present for their friend.
After buying the birthday present, they were left with \$19. What was the cost of the birthday present?

40) Fill in the missing number.



41) Apples are sold at 3 for \$0.85. How much did Jonathan pay if he bought 2 dozens of such apples?

42) Look at the clues below and guess the number.

- a) It is a 3-digit number.
- b) The sum of its digits is 16.
- c) It is 580 when rounded off to the nearest ten.

43) In the figure below, 2 triangles are shaded. How many more similar triangles must be shaded so that $\frac{3}{5}$ of the figure is shaded ?



Section D: Problem Sums (5 ×4 marks)

Answer all questions. All number sentences, statements and workings and units must be clearly stated.

44) A newspaper vendor had 6 000 copies of newspaper. He delivered 45 copies of newspapers to each of the 128 shops. How many copies of newspapers had he left ?

45) There are 8 basketballs and 5 soccer balls in the PE store room. Each basketball has a mass of 0.75 kg and each soccer ball has a mass of 0.65 kg. What is the total mass of the balls?

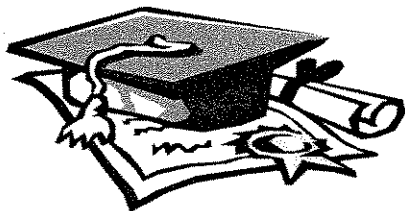
- 46) Kereen has 100 red and blue marbles. After giving away 36 red ones and buying 12 new blue marbles, she has equal numbers of red and blue marbles now. How many red marbles has she now?

- 47) A tank is $\frac{3}{4}$ full of water. When another 200 ml of water is added into it, it is $\frac{7}{8}$ full.
How much water is in the tank when it is $\frac{7}{8}$ full?

- 48) Wei Zhi's pocket money was \$11 and Ryan's was \$16.50. Ryan saved \$3.45 but Wei Zhi did not save any money. How much **more** money did Ryan spend than Wei Zhi? |

END OF PAPER

Have you checked your work carefully?



ANSWER SHEET

NAN HUA PRIMARY SCHOOL - PRIMARY 4 MATHEMATICS 2007
CONTINUAL ASSESSMENT (2)

- 1.3
2.3
3.3
4.2
5.2
6.4
7.4
8.1
9.2
10. 3
11. 1
12. 1
13. 4
14. 4
15. 3
16. 3
17. 2
18. 1200
19. 499
20. $\frac{5}{6}$
21. $17\frac{1}{5}$
22. 2
23. 0.05
24. 38.08
25. 10.7
26. 7.068, 7.086, 7.608, 7.806
27. \$3.75
28. 5
29. 4.45
30. 3 eggs
- 31) \$30
32) 114cm^2
33) 39
34) 61°
35) $\frac{1}{2}$
36) 33.2
37) \$55
38) $1\frac{3}{4}$
39) \$109
40) 1.02
41) \$6.80
42) 583
43) 10 more
- 44) $45 \times 128 = 5760$
 $6000 - 5760 = 240$
He had 240 copies of newspapers left.
- 45) $0.75\text{kg} \times 8 = 6\text{kg}$
 $0.65\text{kg} \times 5 = 3.25\text{kg}$
 $6\text{kg} + 3.25\text{kg} = 9.25\text{kg}$
The total mass of the balls is 9.25kg.
- 46) $100 - 36 = 64$
 $64 \div 2 = 32$
 $32 \div 2 = 16$
She had 38 red marble now.
- 47) $\frac{7}{8} - \frac{3}{4} = \frac{7}{8} - \frac{3}{4} \times 2$
 $= \frac{7}{8} - \frac{6}{8} = \frac{1}{8}$
 $\frac{1}{8} = 200\text{ml}$
 $\frac{7}{8} = 200\text{ml} \times 7 = 1400\text{ml}$
1400ml is in the tank
When it is $\frac{7}{8}$ full.
- 48) $\$16.50 - \$3.45 = \$13.05$
 $\$13.05 - \$11 = \$2.05$
Ryan spent \$2.05 more than Wei Zhi.

Per Chun Public School
Continual Assessment – 2007
Mathematics
Primary 4

Booklet A

Name: _____ ()

Date: 23 August 2007

Class: Primary 4 ____

Time: 2 h

Maths Teacher: _____

Questions 1 to 12 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) and write its number in the brackets provided. (24 marks)

1. In $81\overset{80000}{3}47$, the digit 8 is in the _____ place.

- (1) tens
- (2) hundreds
- (3) thousands
- (4) ten thousands ()

2. Round off 75 849 to the nearest hundred.

- (1) 75 800
- (2) 75 850
- (3) 75 900
- (4) 76 000 ()

3. The height of the door in our classroom is about _____.

- (1) 200 cm
- (2) 200 m
- (3) 20 cm
- (4) 20 m () 267

4. Which of the following are common factors of 20 and 25?

- (1) 1 and 2
- (2) 1 and 5
- (3) 2 and 5
- (4) 5 and 10

()

5. 4 hundreds, 2 tens, 5 tenths and 1 hundredth is _____.

- (1) 4251
- (2) 42.51
- (3) 402.51
- (4) 420.51

()

6. How many quarters are there in $1\frac{1}{2} + \frac{3}{4}$?

- (1) 5
- (2) 8
- (3) 3
- (4) 9

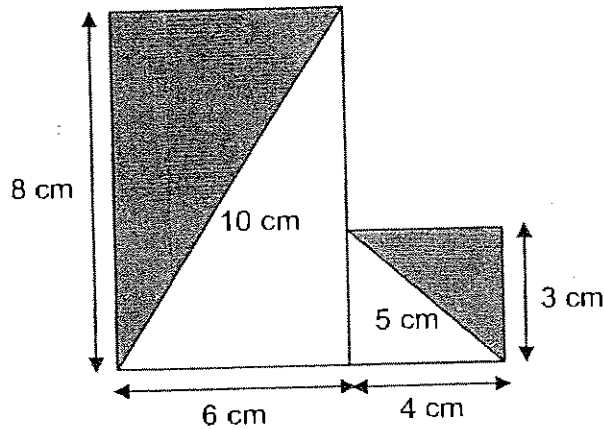
()

7. $\frac{1}{3}$ of a number is 12. What is $\frac{1}{2}$ of the number?

- (1) 6
- (2) 18
- (3) 24
- (4) 36

()

8. The figure below is made up of 2 rectangles.

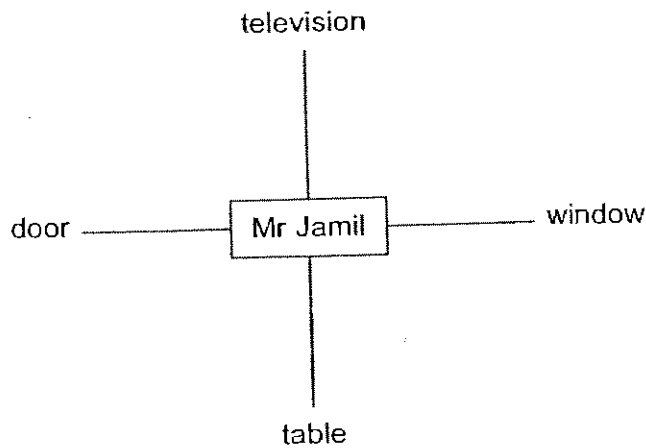


What is the perimeter of the unshaded part of the figure?

- (1) 25 cm
- (2) 28 cm
- (3) 30 cm
- (4) 33 cm

()

9. Mr Jamil was facing the door. He turned 3 right angles in an anti-clockwise direction.



He is now facing the _____.

- (1) television
- (2) window
- (3) table
- (4) door

()

10. There were 240 people at a concert. There were 3 times as many men as women. How many men were there?
- (1) 60
(2) 80
(3) 180
(4) 720 ()
11. There were a certain number of children in a hall. When they were put into groups of 7, there were 91 groups and 5 children were left over. How many children were there in the hall?
- (1) 672
(2) 642
(3) 637
(4) 632 ()
12. For every \$4 that Wei saves, Shan saves \$5. Both of them started saving at the same time by putting their savings into an empty piggy bank. How much will Wei have saved if the total amount saved by both of them is \$36?
- (1) \$20
(2) \$18
(3) \$16
(4) \$4 ()
13. Refer to Booklet K.
14. Refer to Booklet K.
15. Refer to Booklet K.

End of Booklet A

270

Pei Chun Public School
Continual Assessment – 2007
Mathematics
Primary 4

Booklet B

Name : _____ ()

Marks :

Class : Primary 4 ____

Date : 23 August 2007

Time : 2 h

Maths Teacher : _____

Parent's Signature : _____

Booklet A	24
Booklet B	56
Booklet K Qn 13-15, 33-35, 44, 45	20
TOTAL	100

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)

Do not write
in this space

16. Write eighteen thousand and fourteen in numerals.

Ans : _____

17. Complete the pattern:

11 495, , 15 495, 17 495, 19 495

Ans : _____

SCORE

18. Use all the digits 6, 0, 3 and 7 to form the smallest 4-digit whole number.

Do not write
in this space

Ans : _____

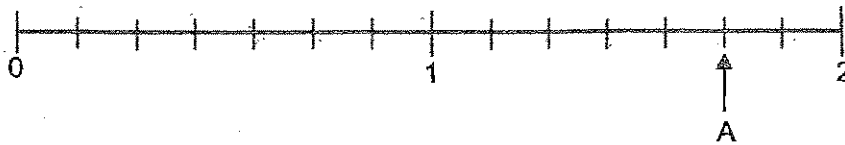
19. Round off 46 573 to the nearest thousand.

Ans : _____

20. Express $\frac{7}{20}$ as a decimal.

Ans : _____

21. What value does the letter A represent?



Ans : _____

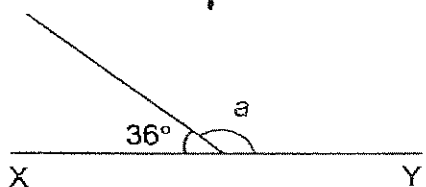
SCORE

Do not write
in this space

22. Express $\frac{23}{3}$ as a mixed number.

Ans : _____

23. In the figure, XY is a straight line. Find $\angle a$.



Ans : _____ °

24. Four children shared 0.16 l of milk equally. How many litres of milk did each child get?

Ans : _____ l

25. The area of a square is 64 cm². What is its perimeter?

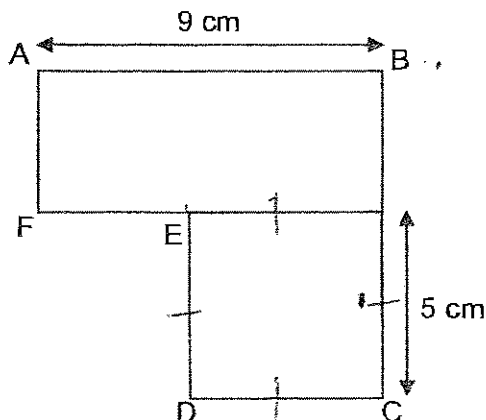
Ans : _____ cm

SCORE 273

Questions 26 to 32 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. (14 marks)

Do not write in this space

26. The figure below is made up of a square and a rectangle. Find the length of EF.



Ans : _____ cm

27. Arrange these fractions in order, beginning with the smallest fraction.

$$\frac{3}{4}, \frac{11}{12}, \frac{5}{6}$$

Ans : _____

28. What is the missing number in the box below?

$$54 \times 79 = 50 \times 79 + \boxed{} \times 79$$

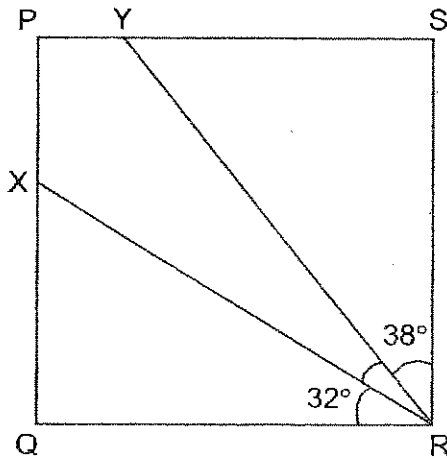
Ans : _____

29. Mrs Raja has $\frac{7}{8}$ kg of cooked prawns and $\frac{1}{2}$ kg of uncooked prawns. How many kilograms of prawns does she have? Give your answer in its simplest form.

Ans : _____ kg

SCORE

30. In the figure below, PQRS is a square. Find $\angle XRY$.



Ans : _____

Do not write
in this space

31. The sum of two fractions is $\frac{11}{12}$. Their difference is $\frac{1}{4}$. What is the smaller fraction? Give your answer in its simplest form.

Ans : _____

32. Henry had 45 stamps. After giving 8 stamps to Aini, he had 4 stamps fewer than Aini. How many stamps did Aini have at first?

Ans : _____

33. Refer to Booklet K.

34. Refer to Booklet K.

35. Refer to Booklet K.

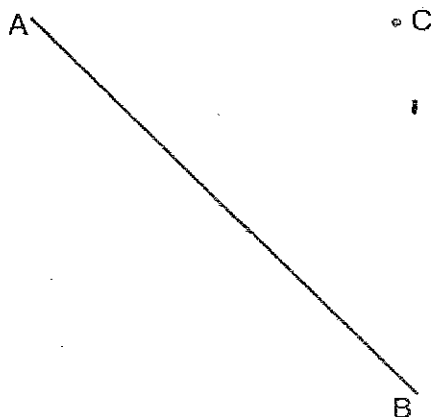
SCORE 2/5

Questions 36 to 43 carry 4 marks each. 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 brackets [] at the end of each question or part-question.

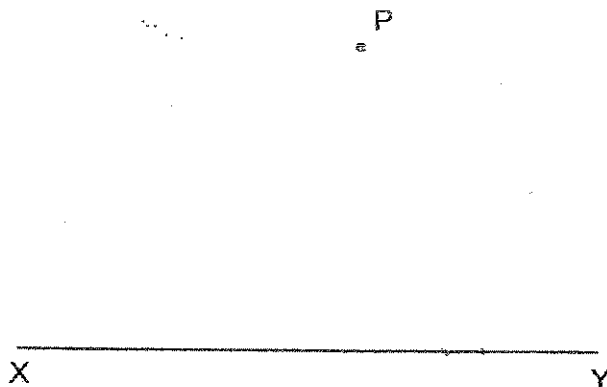
Do not write in this space

(32 marks)

36. (a) Draw a line perpendicular to AB through the point C. [2]



(b) (i) Draw a line parallel to XY through the point P.
(ii) Draw arrow heads to show that the lines are parallel. [2]



SCORE 276

37. The total height of Bala and David is 3.24 m. Caili's height is half of the total height of Bala and David.

Do not write
in this space

- (a) What is Caili's height in metres?
- (b) What is the total height of the three children?
Give your answer in metres.

Ans : (a) _____ [2]

Ans : (b) _____ [2]

SCORE 277

38. Factory A makes 223 shirts a day. Factory B makes 74 fewer shirts a day than Factory A. How many shirts do the two factories make altogether in 31 days?

Do not write
in this space

Ans : _____ [4]

SCORE 278

39. Mr Wang had \$10 000. He gave his wife \$5620 and divided the remainder equally among his 3 children. How much did each child receive?

Do not write
in this space

Ans : _____ [4]

SCORE

279

40. On a bus, $\frac{1}{3}$ of the passengers were women, $\frac{5}{9}$ were men and the rest were children. There were 6 children on the bus.
- (a) How many adult passengers were there on the bus?
- (b) $\frac{1}{4}$ of the adult passengers got off the bus. How many passengers were on the bus then?

Do not write
in this space

Ans : (a) _____ [2]

Ans : (b) _____ [2]

SCORE 280

41. Peiyong and Shuxin had the same number of beads. When Peiyong gave away 147 of her beads, Shuxin had 4 times as many beads as Peiyong. How many beads did they have altogether at first?

Do not write
in this space

Ans : _____ [4]

SCORE

281

42. The chairs in a stadium are red, blue, green or yellow in colour. $\frac{2}{5}$ of them are green and yellow chairs. There are half as many green chairs as yellow chairs. There are 639 red and blue chairs each. How many yellow chairs are there?

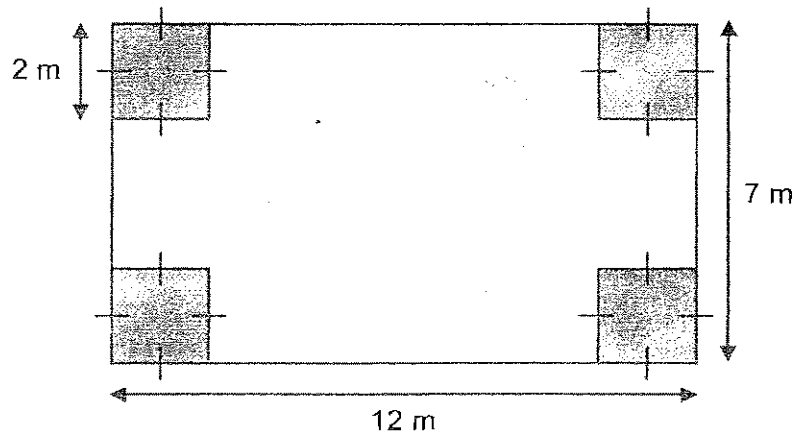
Do not write
in this space

Ans : _____ [4]

SCORE

43. The four shaded corners of a rectangular floor are covered with blue tiles. The rest of the floor is covered with white tiles. What area of the floor is covered with white tiles?

Do not write in this space



Ans : _____ [4]

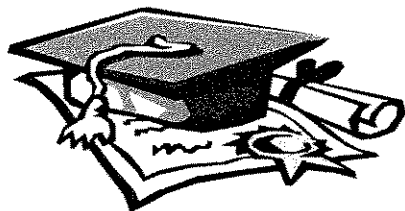
44. Refer to Booklet K.

45. Refer to Booklet K.

End of Booklet B

Set by : Mrs Tan Kwai Sin
 Vetted by: P4 Maths Committee Teachers

SCORE ²⁸⁸



ANSWER SHEET

PEI CHUN PRIMARY SCHOOL - PRIMARY 4 MATHEMATICS 2007
CONTINUAL ASSESSMENT (2)

1. 4
2. 1
3. 1
4. 2
5. 4
6. 4
7. 2
8. 3
9. 1
10. 3
11. 2
12. 3
13. 0
14. 0
15. 0
16. 18014
17. 13495
18. 3067
19. 4700
20. 0.35
21. $\frac{15}{7}$
22. $7\frac{2}{3}$
23. 144°
24. 0.04
25. 32cm
26. 4cm
27. $\frac{3}{4}, \frac{5}{6}, \frac{11}{12}$
28. 4
29. $1\frac{3}{8}$
30. 20°

- 31) $1\frac{1}{3}$
- 32) 33
- 36) a) A

36) b) i) ii)

37) a) $3.24 \div 2 = 1.62$

Caili's height in meters is 1.62m

b) $3.24 + 1.62 = 4.86$

The total height of the three children is 4.86m

38) $223 - 74 = 149$

$223 + 149 = 372$

$372 \times 31 = 11532$

The two factories make 11532 shirts altogether in 31 days.

39) $10000 - 5620 = 4380$
 $4380 \div 3 = 1460$
Each child received \$1460

40) a) $1/3 \rightarrow 3/9$
 $3/9 + 5/9 = 8/9$
 $1 - 8/9 = 1/9$
 $1/9 \rightarrow 6$
 $6 \times 8 = 48$
They were 48 adult passengers on the bus.

b) $1/4 \rightarrow 2/8$
 $1 - 2/8 = 6/8$
 $6 \times 6 = 36$
 $36 + 6 = 42$
They were 42 passengers on the bus after $1/4$ adult left.

41) $147 \div 3 = 49$
 $49 \times 8 = 392$
They had 392 altogether at first.

42) $639 + 639 = 1278$
 $1278 \div 3 = 426$
 $426 \times 2 = 852$
 $852 \div 3 = 284$
 $284 \times 2 = 568$
There are 568 yellow chairs.

43) $2 \times 2 = 4$
 $4 \times 4 = 16$
 $12 \times 7 = 84$
 $84 - 16 = 68$
68m² of the floor is coved in white tiles.



AI TONG SCHOOL

2007

CONTINUAL ASSESSMENT 2

PRIMARY 4

MATHEMATICS

DURATION : 1 h 45 min

DATE : 28 August 2007

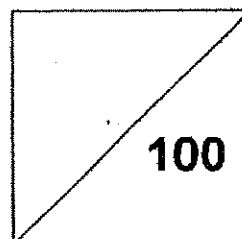
INSTRUCTIONS

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

Name : _____ ()

Class : Primary 4 _____

Marks:



100

Parent's Signature	:	_____
Date	:	_____

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 oval (1, 2, 3 or 4) on the Optical Answer Sheet with a 2B pencil. (20 marks)

1. $36\,909 = 30\,000 + \boxed{} + 900 + 9$

What is the missing number in the box?

- (1) 60
- (2) 600
- (3) 6000
- (4) 60 000

2. Mr Lim bought a car for \$89 605.
Round off this amount to the nearest \$1000.

- (1) \$89 000
- (2) \$89 600
- (3) \$89 700
- (4) \$90 000

3. Which one of the following is the best estimate of 389×48 ?

- (1) 12 000
- (2) 15 000
- (3) 16 000
- (4) 20 000

4. The product of two numbers is 3684. If one of the numbers is 6, the other number is _____.

- (1) 614
- (2) 3678
- (3) 3690
- (4) 22 104

5. Which one of the following fractions is smaller than $\frac{1}{2}$?
- (1) $\frac{3}{5}$
 - (2) $\frac{7}{8}$
 - (3) $\frac{5}{9}$
 - (4) $\frac{5}{11}$
6. The cost of a dress, when rounded off to the nearest dollar, is \$53. Which one of the following could be the actual cost of the dress?
- (1) \$52.10
 - (2) \$52.50
 - (3) \$53.50
 - (4) \$53.95
7. 6 ones, 9 tenths and 4 thousandths is _____.
- (1) 0.694
 - (2) 6.094
 - (3) 6.904
 - (4) 6.94
8. Which one of the following numbers is the smallest?
- (1) 4.10
 - (2) 4.80
 - (3) 4.01
 - (4) 4.81

9. 0.05 expressed as a fraction in its simplest form is _____.

(1) $\frac{1}{2000}$

(2) $\frac{1}{200}$

(3) $\frac{1}{20}$

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

10. Find the first common multiple of 4 and 6.

(1) 2

(2) 10

(3) 12

(4) 24

11. The sum of two numbers is 824. The difference between the two numbers is 28. Find the larger number.

(1) 398

(2) 426

(3) 796

(4) 852

12. There are 12 pears and 20 oranges in a basket. What fraction of the fruits are oranges?

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

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

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

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

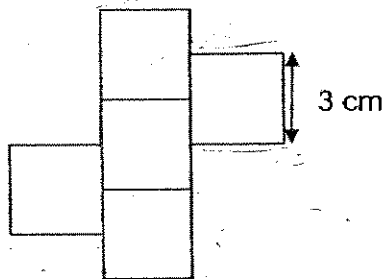
13. $7 + \frac{9}{50}$ is the same as _____.

- (1) 7.09
- (2) 7.18
- (3) 7.5
- (4) 7.9

14. Lynn and Michael sat for a Mathematics Test. Lynn scored $\frac{4}{5}$ of what Michael scored. Lynn scored 60 marks. What was Michael's score?

- (1) 12
- (2) 48
- (3) 60
- (4) 75

15. The figure is made up of 5 identical squares each of side 3 cm. What is the perimeter of the figure?



- (1) 12 cm
- (2) 16 cm
- (3) 36 cm
- (4) 48 cm

Section B

Questions 16 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.

(40 marks)

16. Write forty-eight thousand, five hundred and three in figures.

Ans: _____

17. Round off the product of 243 and 56 to the nearest ten.

Ans: _____

18. Find the value of $6032 \div 8$.

Ans : _____

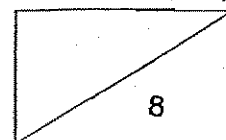
19. The number of stickers in Amy's collection doubled every month.

There were 288 stickers in her collection in July.

How many stickers were there in **April**?

Month	April	May	June	July	August
Stickers	?	72	144	288	576

Ans : _____



20. Look at the number pattern. What is the missing number?

24 000, 24 500, 24 900, _____, 25 800, 26 300

Ans: _____

21. Find the missing factor.

$$2 \times 250 = 10 \times \square$$

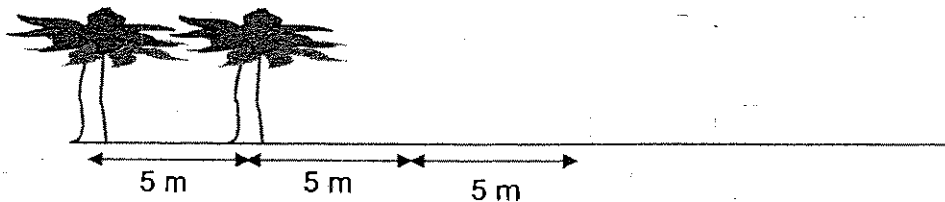
Ans: _____

22. Write down the common factor of 9 and 21 that is greater than 1.

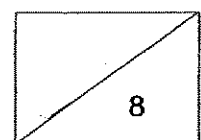
Ans: _____

23. Trees are planted 5 m apart along a straight road.

If the road is 50 m long, find the total number of trees along this stretch of road.



Ans: _____



24. Mandy bought a pair of shoes and a shirt. She paid \$108 for them. If the shoes cost three times as much as the shirt, find the cost of the shoes.

Ans :\$ _____

25. Find the value of $4 - \frac{5}{12}$.

Ans: _____

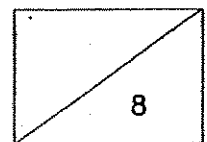
26. Arrange these fractions from the smallest to the largest:

$$2, \quad \frac{7}{5}, \quad 1\frac{7}{10}$$

Ans : _____

27. A rectangular tank contains 18 litres of water when it is $\frac{3}{8}$ full.
How much water is in the tank if it is half full?

Ans : _____ ℓ

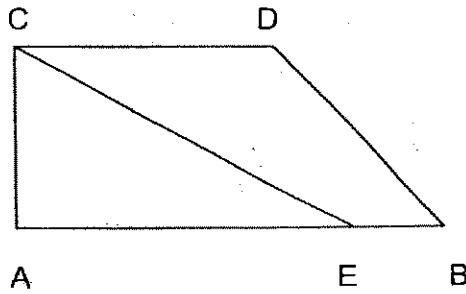


28. Which letter in the word below has both parallel and perpendicular lines?

L A M E

Ans : _____

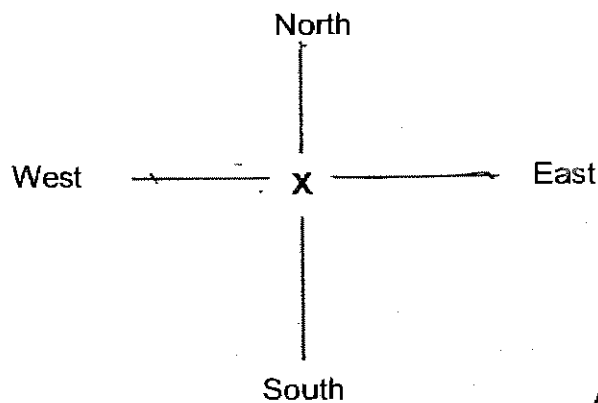
29.



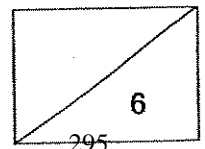
Name the pair of parallel lines in the figure above.

Ans : _____

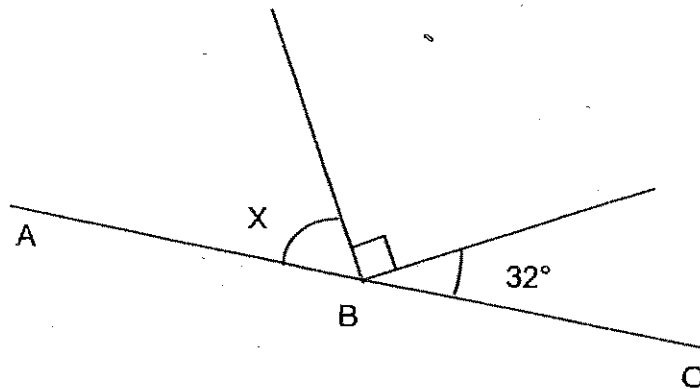
30. Jack is standing at X and he is facing east. He makes a $\frac{3}{4}$ turn in an anti-clockwise direction. He will be facing _____.



Ans : _____

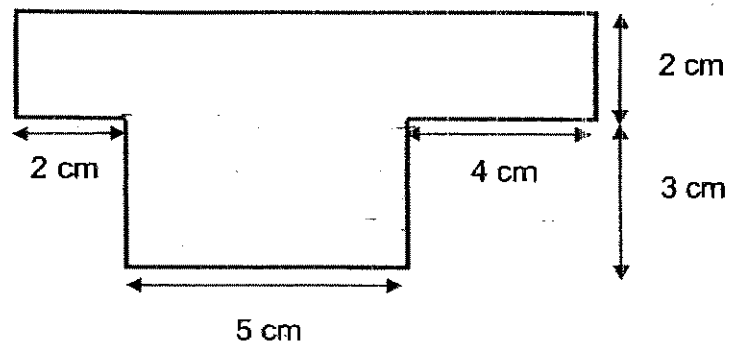


31. In the figure below, ABC is a straight line. Find $\angle x$.

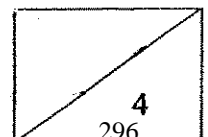


Ans : _____

32. The figure below is not drawn to scale.
Find the **area** of the figure.



Ans: _____ cm^2



33. The area of a square is 81 cm^2 . Find its perimeter.

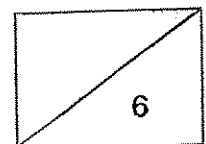
Ans : _____ cm

34. Find the value of $2.8 + 9.67$.

Ans : _____

35. Peter saved \$38.90. This was \$7.85 more than what his sister saved. How much money did Peter's sister save?

Ans : \$ _____



Section C

Questions 36 to 45 carry 4 marks each. Show your working clearly in the space provided below each question and write your answers in the spaces provided.

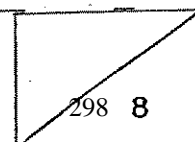
(40 marks)

36. Derrick and Ted had some marbles. After giving 100 marbles to Ted, Derrick found that they had the same number of marbles. If Ted had 80 marbles at first, how many marbles did Derrick have at first?

Ans: _____ [4]

37. 3 sisters and 2 brothers paid \$3450 to buy a television set. Each of the sisters contributed \$550. The rest of the cost was shared equally between the 2 brothers. How much did each of the brothers pay?

Ans: _____ [4]

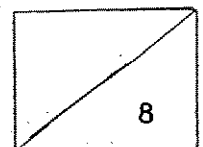


38. 0.5 kg of salmon cost \$15. Joey bought 1.5 kg of salmon. If she gave the cashier \$100, how much change would she get?

Ans: _____ [4]

39. A basket and 8 tins of mushrooms weigh 5.05 kg.
Each tin of mushrooms weighs 0.43 kg.
Find the mass of the basket when it is empty.

Ans: _____ [4]



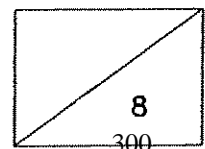
299

40. Annie and Janet had \$280 altogether at first. Janet received another \$40 from her mother. She now had three times as much money as Annie. How much money had Janet now?

Ans: _____ [4]

-
41. A bag contains some green and blue marbles. $\frac{3}{5}$ of the marbles are green. There are 40 more green marbles than blue marbles. How many marbles are there?

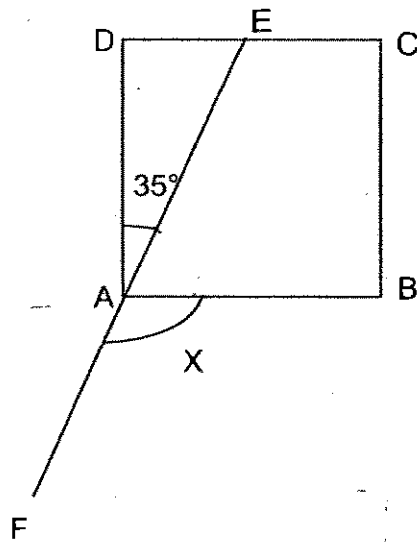
Ans: _____ [4]



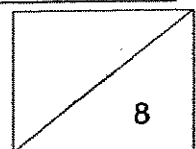
42. Mr Ling bought some stamps to be shared among his 3 children.
 He gave $\frac{1}{3}$ of the stamps to Ron, $\frac{5}{12}$ to Tom and the rest to Dan.
 If Dan received 24 stamps, how many stamps did Mr Ling buy at first?

Ans: _____ [4]

43. The figure below is not drawn to scale. ABCD is a square and EAF is a straight line. $\angle DAE = 35^\circ$, find $\angle x$.

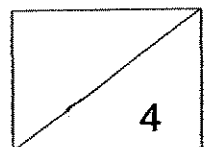


Ans : _____ [4]

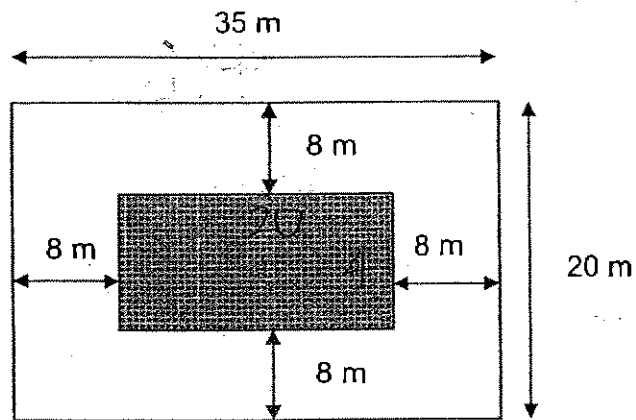


44. Jonathan bought 3 mangoes, 2 pears and 4 oranges for \$10.
Tom bought 1 pear and 2 oranges for \$3.20.
Find the cost of 1 mango.

Ans: _____ [4]

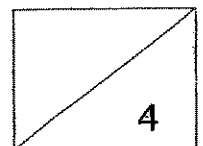


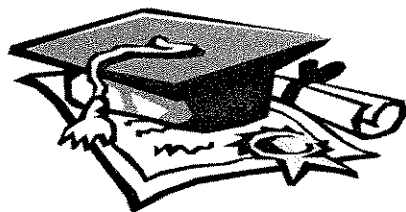
45. The figure shows a rectangular field which measures 35 m by 20 m.
 There is a rectangular flower bed at the centre of the field.
 Find the area of the flower bed.



Ans: _____ [4]

End-of-paper
 Please check your work carefully





ANSWER SHEET

AI TONG PRIMARY SCHOOL - PRIMARY 4 MATHEMATICS 2007
CONTINUAL ASSESSMENT (2)

1. 3
 2. 4
 3. 4
 4. 1
 5. 4
 6. 2
 7. 3
 8. 3
 9. 3
 10. 3
 11. 2
 12. 4
 13. 2
 14. 4
 15. 3
 16. 48503
 17. 13610
 18. 754
 19. 36 stickers
 20. 25400
 21. 50
 22. 3
 23. 11 trees
 24. \$81
 25. $3\frac{7}{12}$
 26. $\frac{7}{5}, 1\frac{7}{10}, 2$
 27. 24
 28. E
 29. CD//AB
 30. South
- 31) 58°
 - 32) 37cm^2
 - 33) 36cm
 - 34) 12.47
 - 35) \$31.05
 - 36) $100+80=180$
 $180+100=280$
Derrick have 280 marbles at first
 - 37) $\$550 \times 3 = \1650
 $\$3450 - \$1650 = \$1800$
 $\$1800 \div 2 = \900
Each of the brother paid \$900
 - 38) $0.5\text{kg} \div 1.5\text{kg} = 3$
 $\$15 \times 3 = \45
 $\$100 - \$45 = \$55$
She would get \$55 change
 - 39) $0.43 \times 8 = 3.44\text{kg}$
 $5.05 - 3.44 = 1.61\text{kg}$
The mass of the basket is 1.60kg.
 - 40) Janet

--	--	--	--

 } \$320
Annie

--

 }
 $\$280 + \$40 = \$320$
 $\$320 \div 4 = \80
 $\$80 \times 3 = \240
Janet have \$240 now.

41) 200

42) $24 \div 3 = 8$

1 unit = 8

$12 \times 8 = 96$ stamps

Mr Ling bought 96 stamps at first.

43) $\angle EAF = 180^\circ$

$90^\circ - 35^\circ = 55^\circ$

$180^\circ - 55^\circ = 125^\circ$

$\angle X$ is 125°

44) $\$3.20 \times 2 = \6.40

$\$10 - \$6.40 = \$3.60$

$\$3.60 \div 3 = \1.20

The cost of 1 mango is \$1.20

45) $20 - 8 - 8 = 4$

$35 - 8 - 8 = 19$

$19 \times 4 = 76$

The area of flower bed is 76m^2

**NANYANG PRIMARY SCHOOL
SECOND CONTINUAL ASSESSMENT 2007
MATHEMATICS
PRIMARY FOUR**

Name: _____ ()

Marks: _____ /100

Class: Primary 4 ()

Parent's Signature: _____

Date: _____

Duration: 1 hour 45 minutes

Section A

Questions 1 to 20 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.

(Total: 40 marks)

1. A television set was sold for \$3400 when rounded off to the nearest \$100. Which one of the following could be the actual selling price of the television set?

(1) \$3295 (2) \$3349
(3) \$3372 (4) \$3468

2. Which of the following numbers has 4 factors?

(1) 9 (2) 15
(3) 16 (4) 28

3. Which of the following numbers is not a common factor of 42 and 84? ^{only}

(1) 6 (2) 7
(3) 3 (4) 12

307

4. Muthu has fewer than 50 stickers. He can put all of them equally into 4 or 6 albums without any remainder. What is the maximum number of stickers Muthu has?

(1) 60
(3) 24

(2) 48
(4) 12

5. 1000 less than the product of 2369 and 7 is _____.

(1) 15 573
(3) 16 573

(2) 15 583
(4) 16 583

6. There were 3600 spectators at a stadium. $\frac{4}{9}$ of them were children.

$\frac{1}{5}$ of the children were girls. How many girls were there at the stadium?

(1) 320
(3) 720

(2) 400
(4) 1600

7. If another $\frac{1}{3}$ of the figure below were to be shaded, what fraction of the whole figure would be shaded?



- (1) $\frac{5}{18}$ (2) $\frac{1}{3}$
 (3) $\frac{4}{9}$ (4) $\frac{1}{2}$
8. Timothy walked a distance of $2\frac{1}{8}$ km. Reko walked a distance of $1\frac{7}{8}$ km.
 How much further than Reko did Timothy walk?

- (1) $\frac{1}{4}$ km (2) $\frac{5}{8}$ km
 (3) $1\frac{3}{4}$ km (4) $3\frac{3}{4}$ km

9. The best estimate for 42×68 is _____.

- (1) 40×60 (2) 40×70
 (3) 50×60 (4) 50×70

10. What is the missing fraction? ^{in the box}

$$\frac{5}{12} + \frac{3}{4} = \frac{6}{8} + \square$$

(1) $\frac{5}{24}$

(2) $\frac{5}{12}$

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

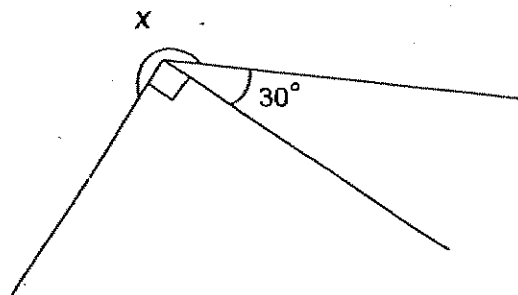
(4) $\frac{5}{6}$

11. How many degrees are there in $\frac{3}{4}$ of a complete turn?

(1) 90°
(3) 270°

(2) 180°
(4) 360°

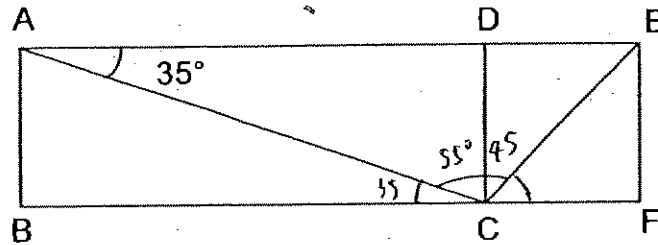
12. In the figure below, find $\angle x$.



(1) 150°
(3) 270°

(2) 240°
(4) 330°

13. In the figure below, ABCD is a rectangle and CDEF is a square.
Find $\angle ACE$.

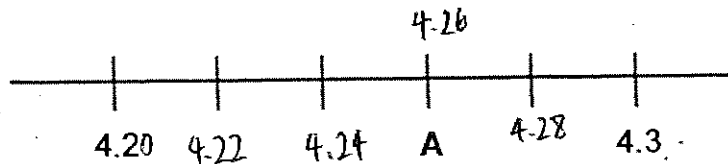


- | | |
|-----------------|-----------------|
| (1) 55° | (2) 90° |
| (3) 100° | (4) 110° |

14. In 73.85, the digit 5 stands for _____.

- | | |
|--------------|------------------|
| (1) 5 ones | (2) 5 tens |
| (3) 5 tenths | (4) 5 hundredths |

15. In the number line below, what does A represent?

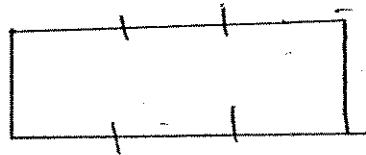


- | | |
|----------|----------|
| (1) 4.23 | (2) 4.24 |
| (3) 4.26 | (4) 4.28 |

16. Mr Li's office is 18.276 km from his home. Express this distance to the nearest hundredth km.

- (1) 18.27 km (2) 18.28 km
(3) 18.37 km (4) 18.38 km

17. The length of a rectangular piece of land is thrice its breadth. If its perimeter is 120 m, what is its breadth?



- (1) 15 m (2) 20 m
(3) 30 m (4) 40 m
18. The total mass of 3 parcels, X, Y and Z is 6.4 kg. The mass of parcel X is 1.25 kg while that of parcel Y is 1.6 kg. What is the mass of parcel Z?

- (1) 2.85 kg (2) 3.55 kg
(3) 4.8 kg (4) 5.15 kg

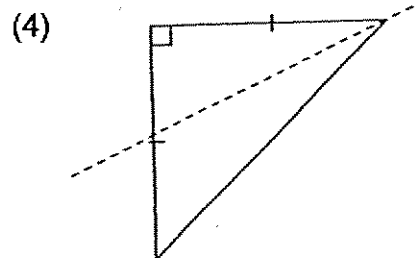
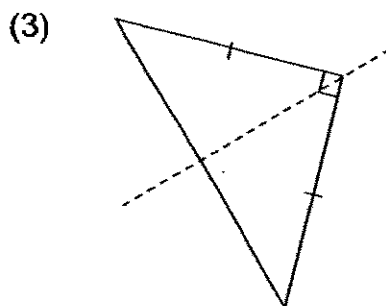
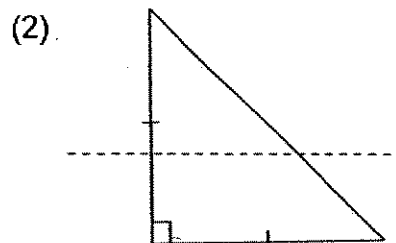
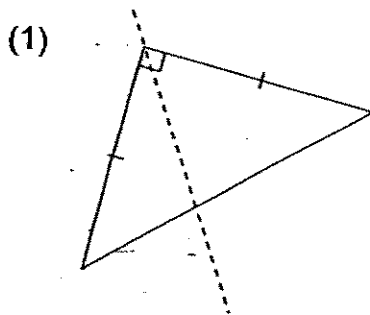
19. Alice took $\frac{1}{4}$ h to walk from her house to the community library. How long did she take in seconds?

- (1) 15 s
(3) 90 s

- (2) 80 s
(4) 900 s

(4)

20. In which of the figures below is the dotted line a line of symmetry?



Section B

Questions 21 to 40 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.

(Total: 40 marks)

21. In the box below, find the sum of **all** the numbers which are multiples of 3.

71	84	45
91	57	38

Answer : _____

22. What is the missing number?

6, 18, 36, _____, 216, 648

Answer : _____

23. What is the missing number in the box?

$$125 \times 32 = 125 \times 30 + \boxed{} \times 25$$

Answer : _____

24. Mrs Cai bought a diamond pendant and a watch. The pendant cost thrice as much as the watch. She spent \$1184 altogether. How much did she pay for the pendant?

Answer : \$ _____

25. What is the missing number in the box?

$$10\frac{7}{12} = 8 + \frac{\boxed{}}{12}$$

Answer : _____ 315

26. Study the number sequence below. What is the missing number in the box? (Give your answer in its simplest form.)

$$-\frac{4}{9}, 1, 1\frac{5}{9}, 2\frac{1}{9}, \square$$

Answer : _____

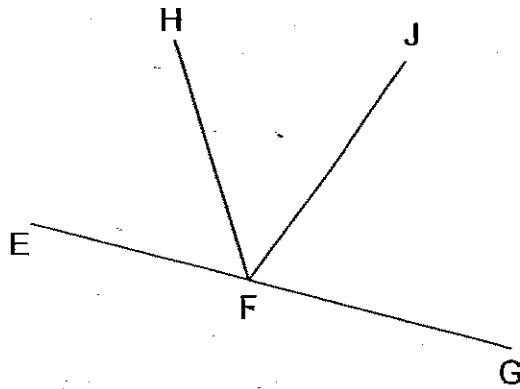
27. How many sixths must be added to $3\frac{1}{6}$ to get $6\frac{2}{3}$?

Answer : _____

28. Liling takes $1\frac{1}{4}$ h to bake 2 cakes. How long will she take to bake 10 such cakes?

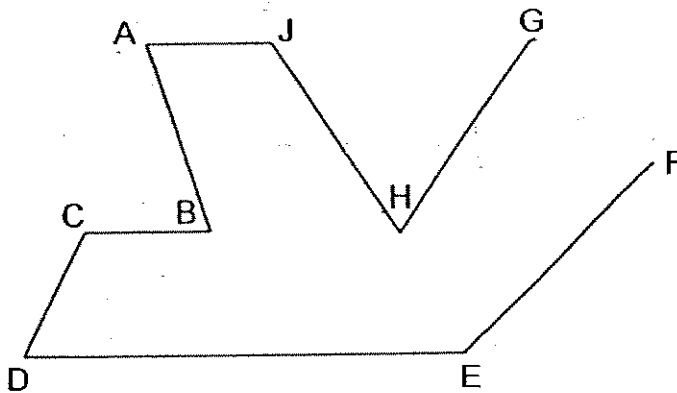
Answer : _____ h

29. EG, FH and FJ are straight lines. Name the angles that are more than 90° but less than 180°



Answer _____

30. In the figure below, name the pair of perpendicular lines.



Answer : _____

31. A farmer spent \$5120 turfing his square garden. It cost \$80 per m^2 to cover it with grass. What is the length of the garden?

Answer : _____ m

317

32. Arrange the following numbers in descending order:

7.026, 7.26, 7.206, 7.62

Answer : _____

33. Express 78 hundredths as a fraction in its simplest form.

Answer : _____

34. Express the sum of $\frac{1}{4}$ and $\frac{2}{5}$ as a decimal.

Answer : _____

35. Kassim jogged a total of 6 km from Monday to Friday. He jogged a total of 3.9 km on the first 3 days. If he jogged the same distance on the remaining 2 days, how far did he jog on Friday?

Answer : _____ km
318

36. Each time Alison sharpened her pencil, it was shortened by 0.52 cm. After she had sharpened it 8 times, it was 4.89 cm. What was its original length?
(Give your answer correct to 1 decimal place.)

Answer : _____ cm

37. The mass of a pandan cake is 0.65 kg. The mass of a blackforest cake is 1.5 kg more than a pandan cake. What is the total mass of a blackforest cake and a pandan cake?
(Give your answer correct to the nearest whole number.)

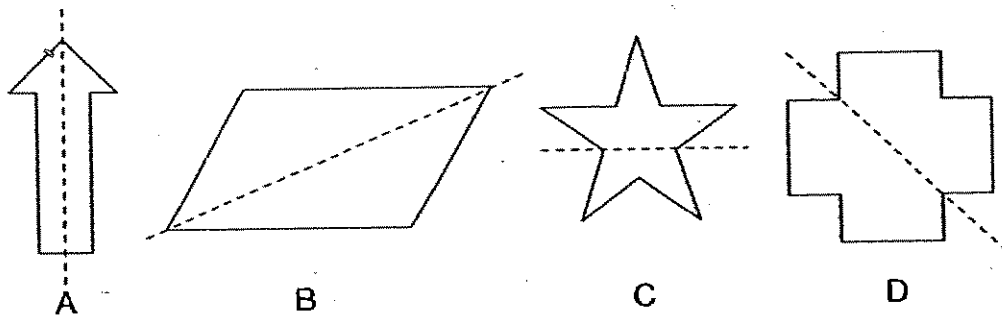
Answer : _____ kg

38. Mrs Rama bought 7 m of cloth to make curtains and cushion covers. She used 4 m of cloth to sew the curtains and the remaining cloth to sew 5 identical cushion covers. How much cloth was used to sew each cushion cover?
(Give your answer as a decimal.)

Answer : _____ m

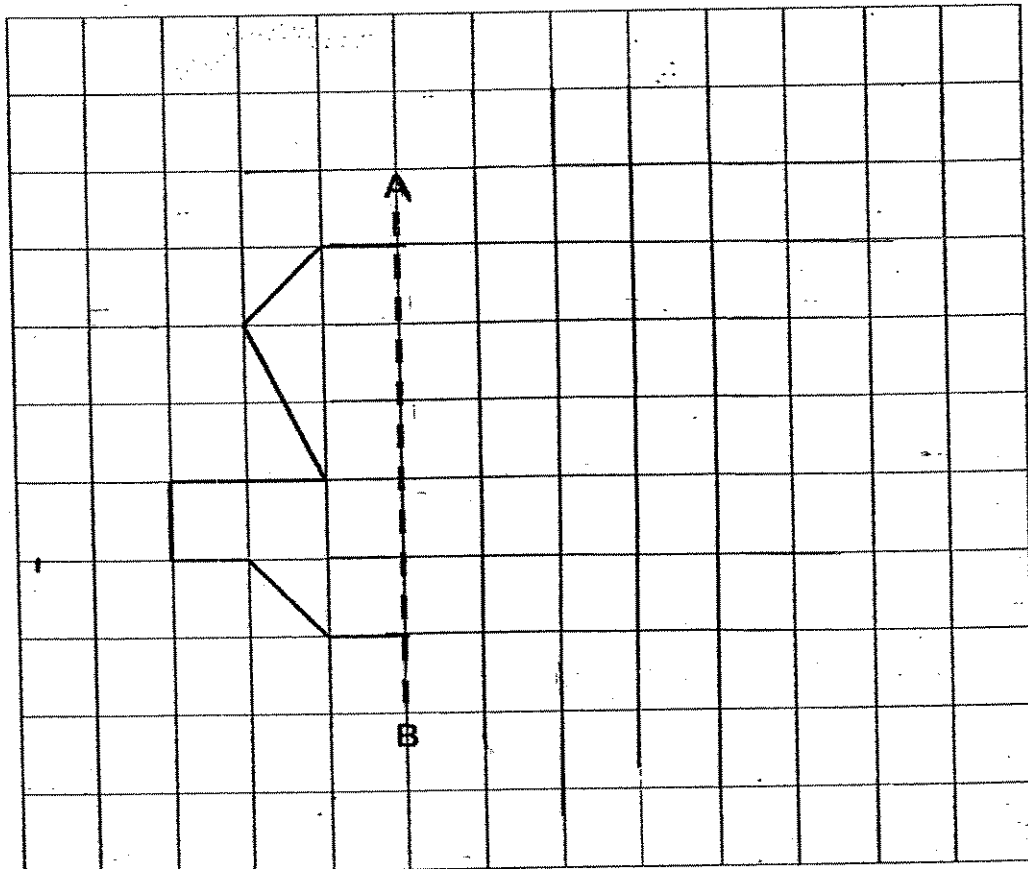
319

39. In which of the figures below is the dotted line a line of symmetry?



Answer : _____

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



Section C

Questions 41 to 45 carry 4 marks each. Do these word problems carefully. Show your working clearly in the space provided for each question and write your answers in the spaces provided.

(Total: 20 marks)

41. Mr Samuel had some cookies. He gave $\frac{3}{8}$ of the cookies to his neighbours and $\frac{1}{4}$ to his friends. He then had 27 cookies left. How many cookies did he have at first?

Answer : _____

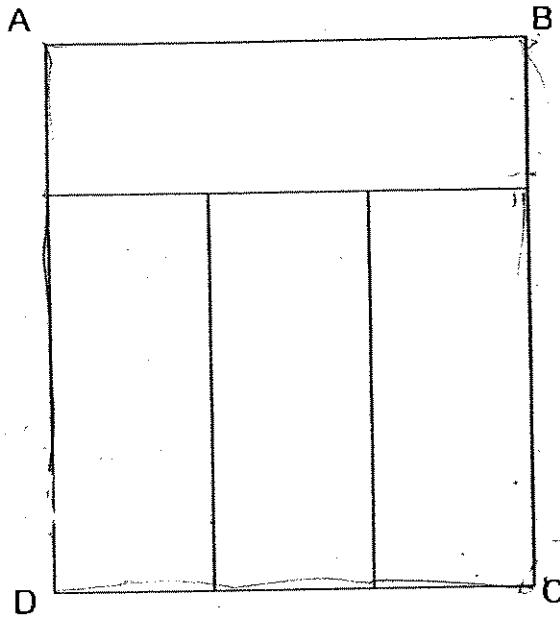
42. Mr Liew works in a restaurant. He works from 9.30 a.m. to 5.30 p.m. on weekdays. He works from 4.30 p.m. to 10 p.m. on Saturdays. He does not work on Sundays. How many hours does he work in a week?

Answer : _____ 321

43. Every day Jack gets 50 cents more pocket money than Tom. Each of them spends \$1.30 and saves the rest of their money. When Jack has saved \$18, Tom has saved only \$13.50. How much pocket money does Jack get daily?

Answer : _____ 322

44. The figure ABCD is made up of 4 ^{identical} similar rectangles. It has a perimeter of 56 cm. What is the area of ABCD?



Answer : _____

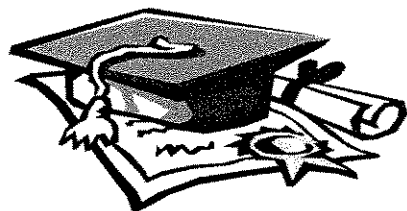
323

45. A kettle could hold 420 ml more water than a jug. When 150 ml of water was poured from the jug into the kettle, there were 4 times as much water in the kettle as the jug. How much water ^{was} there in the jug at first?

Answer : _____

END OF PAPER

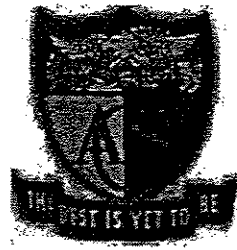
Setters: Mrs Loo P F
Mdm Pauline Chew



ANSWER SHEET

NANYANG PRIMARY SCHOOL - PRIMARY 4 MATHEMATICS 2007
CONTINUAL ASSESSMENT (2)

1. 3
2. 2
3. 4
4. 2
5. 2
6. 1
7. 4
8. 1
9. 2
10. 2
11. 3
12. 2
13. 3
14. 4
15. 3
16. 2
17. 1
18. 2
19. 4
20. 3
21. 186
22. 60
23. 10
24. \$888
25. 31
26. $2\frac{2}{3}$
27. 21
28. $6\frac{1}{4}h$
29. $\angle EFH$ and $\angle GFH$
30. $EF \perp FG$
- 31) 8m
- 32) 7.62, 7.26, 7.206, 7.026
- 33) $39/50$
- 34) 0.65
- 35) 1.05km
- 36) 9.1cm
- 37) 3kg
- 38) 0.6m
- 39) A and D
- 40)
- 41) 72 cookies
- 42) 45 $\frac{1}{2}$
- 43) \$3.30
- 44) 192cm²
- 45) 390ml



Anglo-Chinese School (Primary)

P4 MATHEMATICS 2007

END-OF-YEAR EXAMINATION

BOOKLET A

Name: _____ () Class: Primary 4

Date: 30 October 2007

Duration of paper: 1 h 45 min

THIS BOOKLET CONTAINS 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 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 value of the digit 5 in 54 632 is _____.
 - (1) 50 ones
 - (2) 50 hundreds
 - (3) 50 thousands
 - (4) 54 thousands

2. Round off the sum of 25 345 and 32 550 to the nearest hundred.
 - (1) 57 890
 - (2) 57 895
 - (3) 57 900
 - (4) 58 000

3. 3 000 more than 49 820 is _____.
 - (1) 46 820
 - (2) 50 120
 - (3) 52 000
 - (4) 52 820

4. How many sixths are there in $5\frac{2}{3}$?

(1) 15

(2) 17

(3) 30

(4) 34

5. $2.8 = 1 + 1\frac{\square}{5}$. What is the missing number in the box?

(1) 4

(2) 8

(3) 9

(4) 14

6. How many right angles are there in $3\frac{1}{2}$ turns?

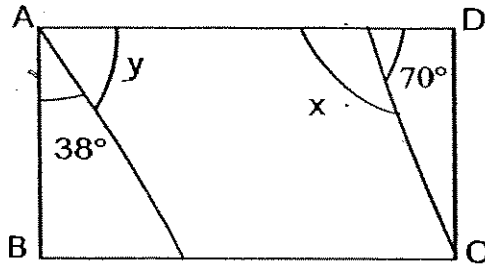
(1) 5

(2) 7

(3) 12

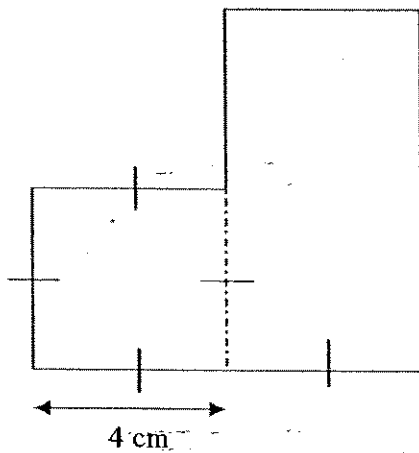
(4) 14

7. Figure ABCD is a rectangle. Find the sum of angles x and y .



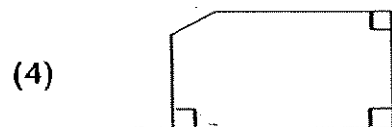
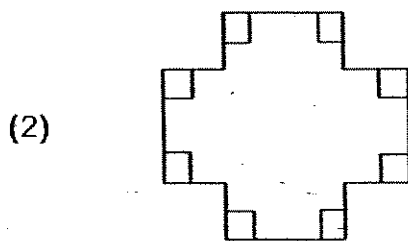
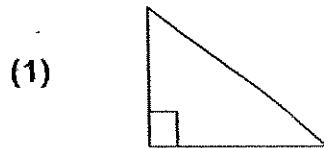
- (1) 52°
- (2) 108°
- (3) 110°
- (4) 162°

8. The figure below consists of a square and a rectangle. The length of the rectangle is twice as long as its breadth. Find the area of the figure.



- (1) 32 cm^2
- (2) 36 cm^2
- (3) 40 cm^2
- (4) 48 cm^2

9. Which one of these figures has **only two** pairs of perpendicular lines?



10. The total mass of a papaya and a water-melon is 4 kg. The water-melon weighs 1 kg more than the papaya. Find the mass of the water-melon.

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

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

(3) 3 kg

(4) 5 kg



Anglo-Chinese School (Primary)

P4 MATHEMATICS 2007

END-OF-YEAR EXAMINATION

BOOKLET B

Name: _____ () Class: Primary 4 _____

Date: 30 October 2007

Duration of paper: 1 h 45 min

Parent's/Guardian's signature

Section	Maximum Marks	Marks Obtained
A. Multiple Choice Questions	20	
B. Short Answers	40	
C. Problem Sums	40	
Total Marks	100	
Parent's/Guardian's signature		

THIS BOOKLET CONTAINS 16 PAGES.

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

FOLLOW ALL INSTRUCTIONS CAREFULLY.

Section B (20 questions x 2 marks each)

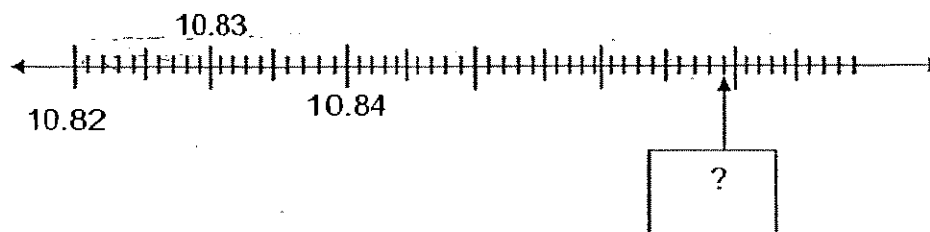
Write the correct answers in the spaces provided.

(Give your answers in the units required and in its simplest form wherever possible.)

11. A number is a multiple of 5. The number is less than 40.
When it is divided by 8, there is a remainder of 3.
What is the number?
-

12. A wooden rod of length 3 m 34 cm is cut into equal pieces of 6 cm each. How many 6-cm pieces will there be?
-

13. What is the missing number in the box?



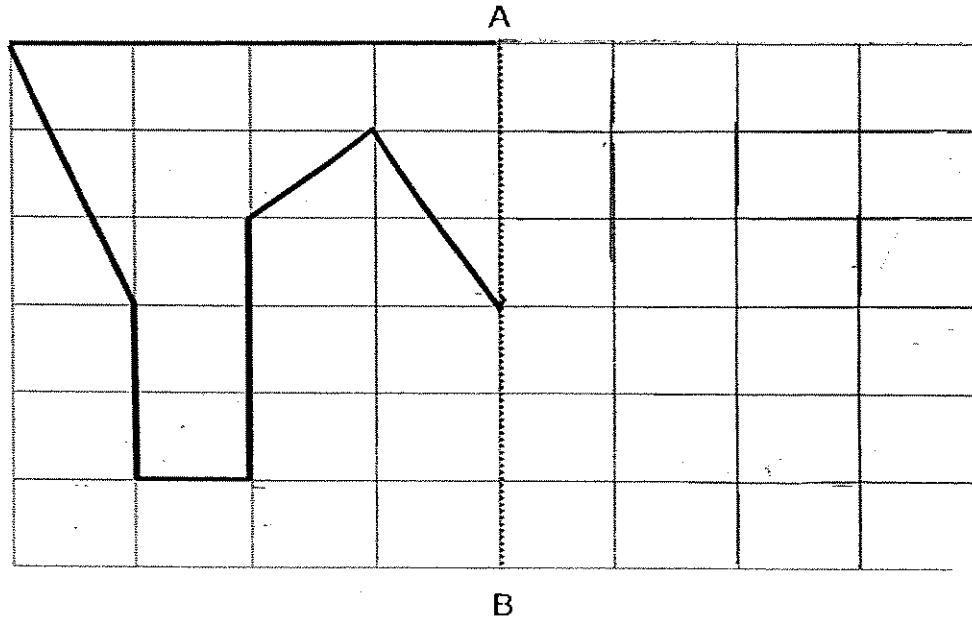
14. John spent $\frac{4}{9}$ of his savings on a pair of new pants and $\frac{1}{3}$ of it on 2 shirts.
What fraction of his savings had he left?
-

15. Arrange the following in ascending order.

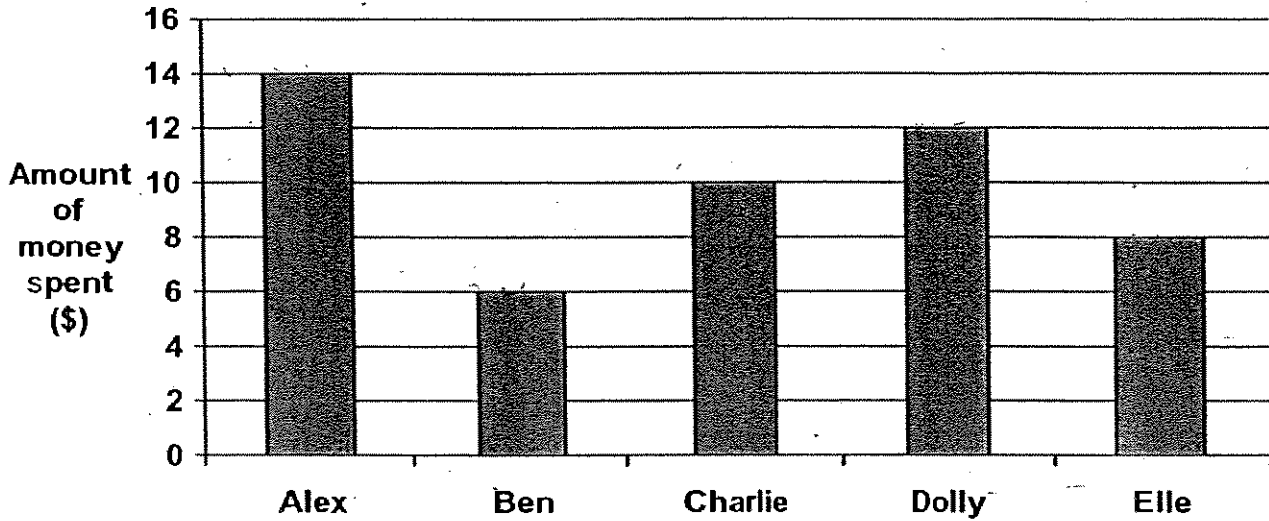
$$7\frac{1}{2}, 7\frac{3}{4}, 7\frac{3}{5}, 7.505$$

16. What is the sum of 15 tens, 8 ones, 10 tenths and 13 hundredths ?
-

17. Complete the following symmetric figure with AB as the line of symmetry.



Refer to the graph below to answer questions 18 and 19. The bar graph below shows the amount of money spent by 5 pupils on their trip to Changi War Memorial.

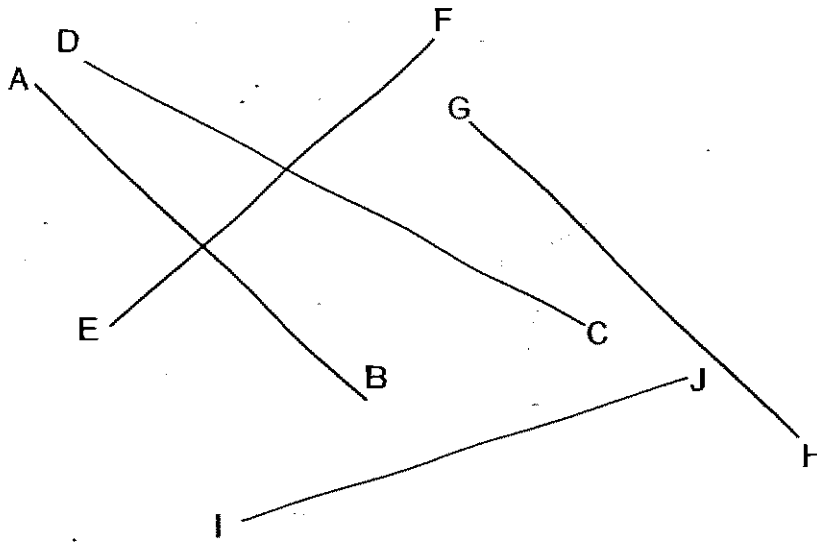


18. What is the difference between the pupil who had spent the most and the pupil who spent the least?

\$ _____

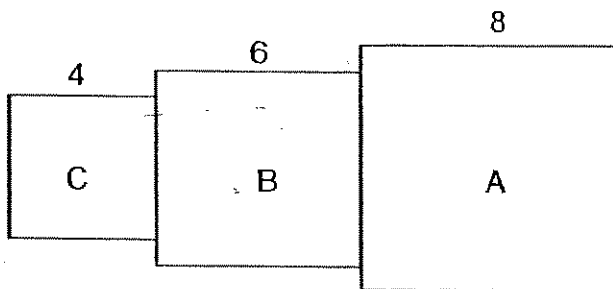
19. What fraction of the pupils spent more than \$10?

20. The diagram below is drawn to scale. AB, CD, EF, GH and IJ are straight lines. Name one pair of parallel lines from the figure below.



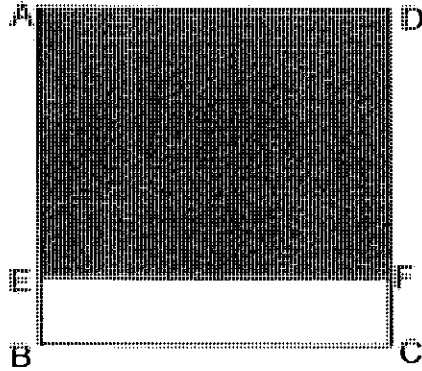
_____ //

21. The figure below is made up of 3 squares A, B and C. Find the perimeter of the figure. Square A is 8 cm in length, square B is 6 cm in length and square C is 4 cm in length.



_____ cm

22. ABCD is a square of side 50 m. The area of BCEF is $\frac{1}{5}$ of the area of ABCD.
Find the area of the shaded part



_____ m²

23. Jane bought 5 000 ml of paint. She used 2 900 ml to paint her living room. She used $\frac{1}{2}$ of the remainder to paint her bedroom. How much paint had she left?
(Leave your answer in litres)

_____ l

24. If $\frac{3}{5}$ of a number is 24, what is the number?

25. There were 28 pens in a box. $\frac{2}{7}$ of them were black and the rest were red. How many more red pens than ~~black~~ pens were there?

26. A wire, 11.9 m long, is cut into 4 equal pieces. Each piece is made into a square. What is the perimeter of each square when rounded off to 2 decimal places?

27. A bag costs \$11.40 and it costs 3 times as much as a pen. Jolene bought a pen and a bag. How much did she pay altogether?

\$

28. A box with 9 story books has a mass of 6.05 kg. If the mass of each story book is 0.65 kg, what is the mass of the box when empty?
(Leave your answer in kilograms)

_____ kg

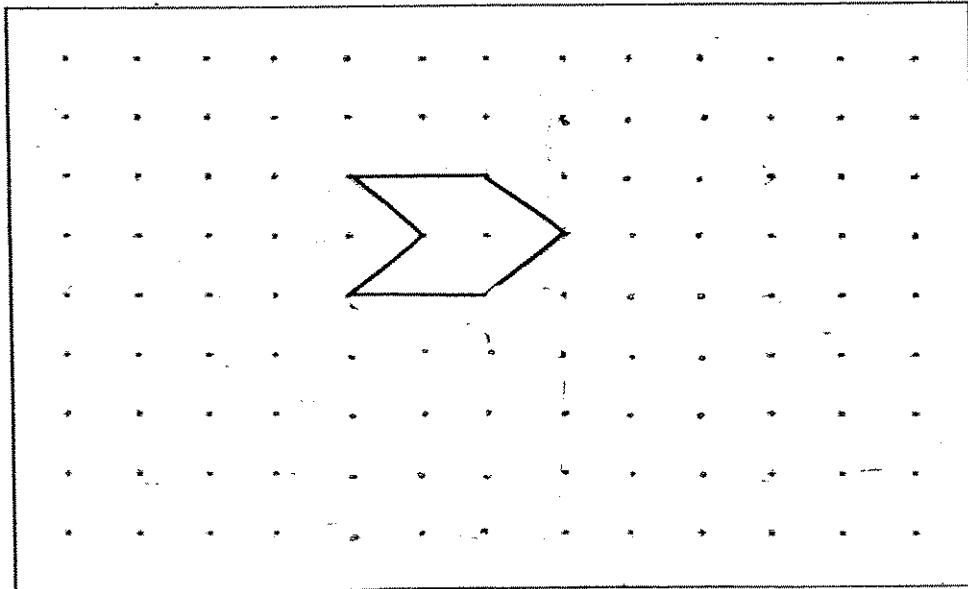
29. What is the missing number in the box?

$$\star + \triangle + \star = 5.5$$

$$\triangle = 3.2$$

$$\star = \boxed{?}$$

30. Extend the tessellation by drawing another 5 unit shapes in the space provided.



SECTION C - Problem Sums (40 MARKS)

For each question from 31 to 40, 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 [].

31. Paul earns \$1750 per month. Every month, he saves \$600 and gives each of his two children \$75. He spends the rest of the money on household expenses. How much will he spend on household expenses in a year?

Answer: _____ (4m)

32. Mrs. Lee baked 2850 apple tarts. Mrs. Choo baked twice as many apple tarts as Jamie. If Jamie baked 360 fewer apple tarts than Mrs Lee, how many apple tarts did Mrs. Choo bake?

Answer: _____ (4m)

33. Meiling had some stickers. She gave $\frac{3}{8}$ of the stickers to Angela. She gave $\frac{2}{5}$ of the remaining stickers to Sandy. If Sandy received 12 stickers, how many stickers did Meiling have in the beginning?

Answer: _____ (4m)

34. Valerie's mass is 35 kg. The total mass of Jane and Tom is 3 times as much as Valerie. If Tom's mass is 62 kg,
- (a) what is the total mass of the 3 children?
 - (b) what is Jane's mass?

Answer: (a) _____ (2m)

(b) _____ (2m)

343

35. Container A has 3 times as much water as container B. Simon adds 1.25 litres of water to container A and 2 litres of water to container B. The two containers now contain the same amount of water. How much water was in container A at first?

Answer: _____ (4m)

36. One coffee table and six identical chairs cost \$2 040. The coffee table costs \$200 less than a chair. Find the cost of the coffee table.

Answer: _____ (4m)

37. John and Peter had an equal number of stickers. After Peter gave 27 stickers to John, John had 4 times as many stickers as Peter. How many stickers did Peter have at first?

Answer: _____ (4m)

38. Mary bought an exercise book, 2 pens and 4 pencils for \$3.20. The cost of 1 pen and 2 pencils is \$0.90. What is the cost of 3 exercises books?

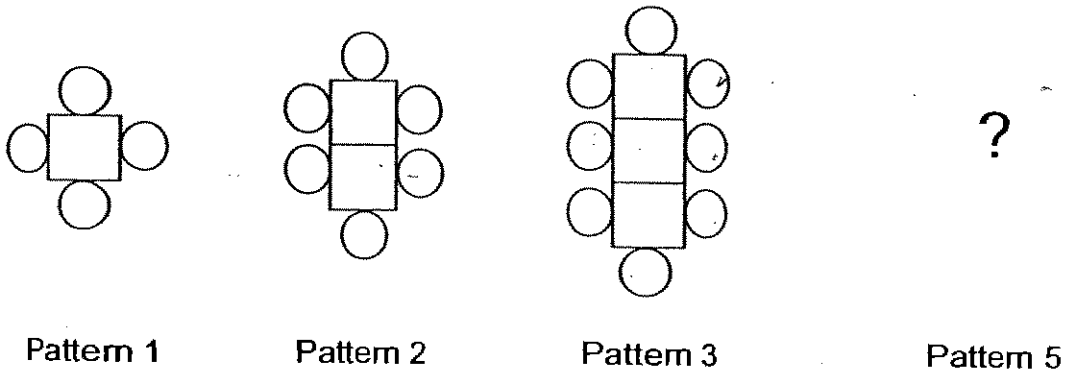
Answer: _____ (4m)

39. Joe had some ten-cent coins and twenty-cent coins. The number of twenty-cent coins is twice the number of ten-cent coins. Their total value is \$6. How many twenty-cent coins does Joe have?

Answer: _____ (4m)
346

40. Study the table carefully.

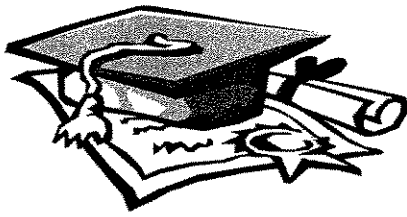
Pattern Number	Number of squares	Number of circles
Pattern 1	1	4
Pattern 2	2	6
Pattern 3	3	8
Pattern 5	(i)	12
Pattern 7	7	(ii)



- (a) Complete the table above. (2m)
- (b) Which Pattern number will have 100 circles? (2m)

Ans: ~~(ix)~~ _____ (2m)

Setter: Mr Vijay
 Vetter: P4 2007 Math teachers

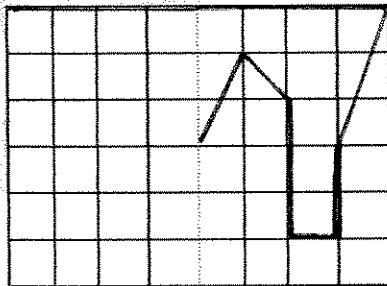
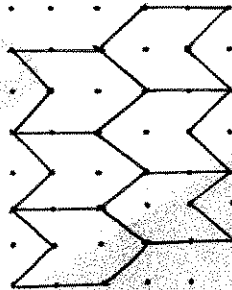


ANSWER SHEET

A C S PRIMARY SCHOOL - PRIMARY 4 MATHEMATICS 2007
SEMESTRAL ASSESSMENT (2)

- 1. 3
- 2. 3
- 3. 4
- 4. 4
- 5. 1
- 6. 4
- 7. 4
- 8. 4
- 9. 3
- 10. 2
- 11. 35
- 12. 55
- 13. 10.869
- 14. $\frac{2}{9}$
- 15. $7\frac{1}{2}$, 7.505, $7\frac{3}{5}$, $7\frac{4}{3}$
- 16. 159.13
- 17.

- 26) 2.98
- 27) \$15.20
- 28) 0.20kg
- 29) 1.15
- 30) . . .



- 18. \$8
- 19. $\frac{2}{5}$
- 20. AB//GH
- 21. 52cm
- 22. 2000m²
- 23. 1.05ml
- 24. 40
- 25. 12

31) $\$1750 - \$600 = \$1150$
 $\$75 \times 2 = \150
 $\$1150 - \$150 = \$1000$
 $\$1000 \times 12 = \12000
He will spend \$12000

32) $2850 - 300 = 2490$
 $2490 \times 2 = 4980$
Mrs Choo made 4980 apple tarts.

33) 2 units \rightarrow 12
1 unit $\rightarrow 12 \div 2 = 6$
8 units $\rightarrow 6 \times 8 = 48$
Meiling had 48 stickers at first.

34) a) $35 \times 3 = 105$
 $105 - 62 = 43\text{kg}$
b) $105 + 35 = 140\text{kg}$

35) 3 units $\rightarrow 2\text{l}$
2 units $\rightarrow 2.00\text{l} - 1.25\text{l} = 0.75\text{l}$
1 unit $\rightarrow 0.75 \div 2 = 0.375$
3 units $\rightarrow 0.375 \times 3 = 1.125\text{l}$

36) $\$200 \times 6 = \1200
 $2040 - \$1200 = \840

37) $1\frac{1}{2}$ units $\rightarrow 27$
4 units $\rightarrow 27 \times 4 = 108$
 $108 - 27 = 81$
Peter had \$81 at first

38) $\$3.20 - \$0.90 = \$2.30$
 $\$2.30 - \$0.90 = \$1.40$
 $\$1.40 \times 3 = \4.20

39) 24

40) 49



Maha Bodhi School
2007 Semestral Assessment 2
Mathematics

Name : _____ ()

Date : 29 October 2007

Class : Pr 4 _____

Duration : 1 h 45 min

BOOKLET A

Section A (40 marks)

Questions 1 to 20 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.

1. 37 237 people attended a concert. Round off the total number of people who attended the concert to the nearest thousand.
 - (1) 37 000
 - (2) 37 200
 - (3) 37 230
 - (4) 38 000

2. 4 kg 7 g is the same as _____ g.
 - (1) 470
 - (2) 4 007
 - (3) 4 070
 - (4) 4 700

3. 134 tenths = _____
 - (1) 13.4
 - (2) 1.34
 - (3) 0.134
 - (4) 0.0134

4. $\frac{3}{10} + \frac{3}{10} + \frac{3}{10} + \frac{3}{10} + \frac{3}{10}$ is _____.

(1) $5 + \frac{3}{10}$

(2) $5 \times \frac{3}{10}$

(3) $\frac{5 \times 3}{5 \times 10}$

(4) $\frac{3}{5 \times 10}$

5. After giving 32 stickers each to 434 pupils in a school, Mr Raja had 24 stickers left. He had _____ stickers at first?

(1) 490

(2) 13 864

(3) 13 888

(4) 13 912

6. The total length of 2 sticks is 112cm.
If the difference in their lengths is 16 cm, find the length of the longer stick.



(1) 48 cm

(2) 64 cm

(3) 72 cm

(4) 96 cm

The table below shows the favourite toys of a group of children.
Use it to answer Questions 7 and 8.

Toys	Number of children
Lego	
Beyblade	72
Barbie doll	
Winx Girls	90
Total	272

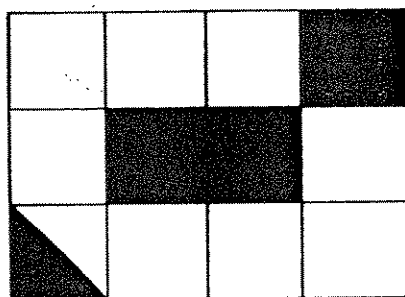
7. How many **more** children like Winx Girls than Beyblade?

- (1) 18
- (2) 72
- (3) 90
- (4) 162

8. The number of children who like Lego is 4 times that of those who like Barbie dolls.
How many children like Barbie dolls?

- (1) 22
- (2) 88
- (3) 110
- (4) 220

9. What fraction of the figure below is shaded?



- (1) $\frac{3}{12}$
- (2) $3\frac{1}{2}$
- (3) $\frac{7}{12}$
- (4) $\frac{7}{24}$

10. $7\frac{5}{9} = \frac{\square}{3} + \frac{26}{9}$

What is the missing number in the box?

- (1) 42
(2) 37
(3) 14
(4) 12
11. What is the least number of coins needed to make \$12.85?
- (1) 14
(2) 15
(3) 16
(4) 17
12. Harod earns \$2.75 for each book that he sells.
If he sold 12 books, how much would he earn?
- (1) \$33.00
(2) \$32.40
(3) \$14.75
(4) \$5.50
13. How many 4-digit numbers can be formed with the digits 4, 6, 3 and 9?
- (1) 4
(2) 6
(3) 12
(4) 24
14. A piece of wire 40 cm long is bent to form a rectangle with a length of 15 cm.
What is the area of the rectangle?
- (1) 40 cm²
(2) 75 cm²
(3) 375 cm²
(4) 600 cm²

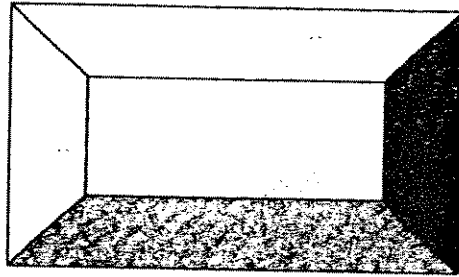
15. Matthew has 3.176 kg of sugar. He wants to pack the sugar equally into 3 packets. How much sugar should he put in each bag? (Give your answer to the nearest hundredth.)

- (1) 1.05 kg
- (2) 1.056 kg
- (3) 1.057 kg
- (4) 1.06 kg

16. 8 books of the same thickness are piled on top of one another. The height of the pile is 10.24 cm. If 3 books are taken away, what is the height of the pile now?

- (1) 1.28 cm
- (2) 3.84 cm
- (3) 6.40 cm
- (4) 14.08 cm

17. There are _____ pairs of perpendicular lines in the figure below.

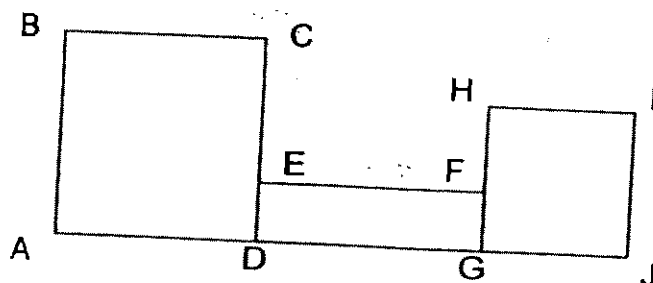


- (1) 6
- (2) 7
- (3) 8
- (4) 9

18. The figure below is made up of a rectangle and 2 squares.

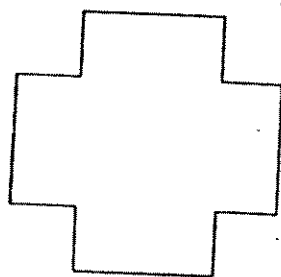
The length of DE is $\frac{1}{4}$ that of DG.

If BC = 14 cm, EF = 16 cm and HI = 10 cm, find the length of HF.



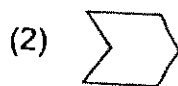
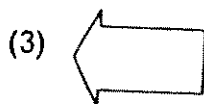
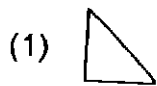
- (1) 10 cm
- (2) 8 cm
- (3) 6 cm
- (4) 4 cm

19. How many lines of symmetry does the figure below have?



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

20. Which one of the following shapes cannot tessellate?



Maha Bodhi School**2007 Semestral Assessment 2****Mathematics**

Name : _____ ()

Class : Pr 4 _____

Duration : 1 h 45 min

Date : 29 October 2007

Parent's Signature : _____

Section A (40 marks)	
Section B (40 marks)	
Section C (20 marks)	
Total (100 marks)	

BOOKLET B**Section B (40 marks)**

Questions 21 to 40 carry 2 marks each.

Write your answers in the boxes provided. Give your answers in the units stated.

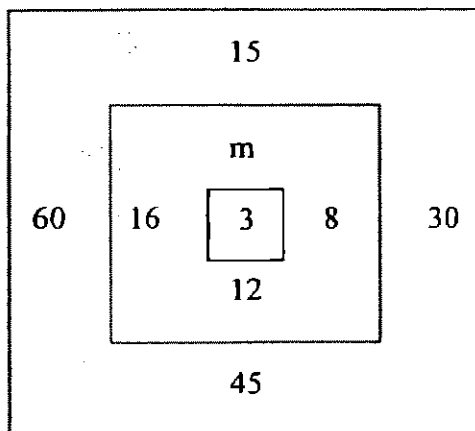
Show your working in the space provided. Marks will be awarded for correct method shown.

21. In 34 967, the value represented by the digit 3 is _____ times that of the value represented by the digit 6.

22. Janzen and Wendy had 360 marbles. After giving 48 marbles to Wendy, Janzen still had 20 marbles more than Wendy. How many marbles did Wendy have at first?

23. 17 388, 17 538, _____, 17, ~~838~~, 17 988.
The missing number in the above number pattern is _____.

24. In the diagram below, the numbers are related in some ways. Find the value of m.

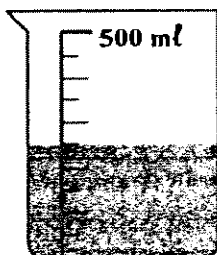


25. What are the common factors of 24 and 60?

26. Mrs Tay used 10 kg 600 g of flour, 6 kg 55 g of butter and 5 kg 4 g of sugar to bake some cakes. What is the total weight of ingredients used? (Round off the answer to the nearest kg.)

 kg

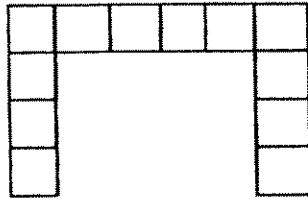
27. There is _____ l of water in the measuring cylinder below.


 l

28. Three similar dictionaries and a calculator have a total mass of 3 kg 20 g. If the mass of the calculator is 320 g, find the mass of 4 such dictionaries

 g

29. The n-shaped figure below is made up of 12 similar squares. The area of the figure is 192 cm^2 . What is the perimeter?

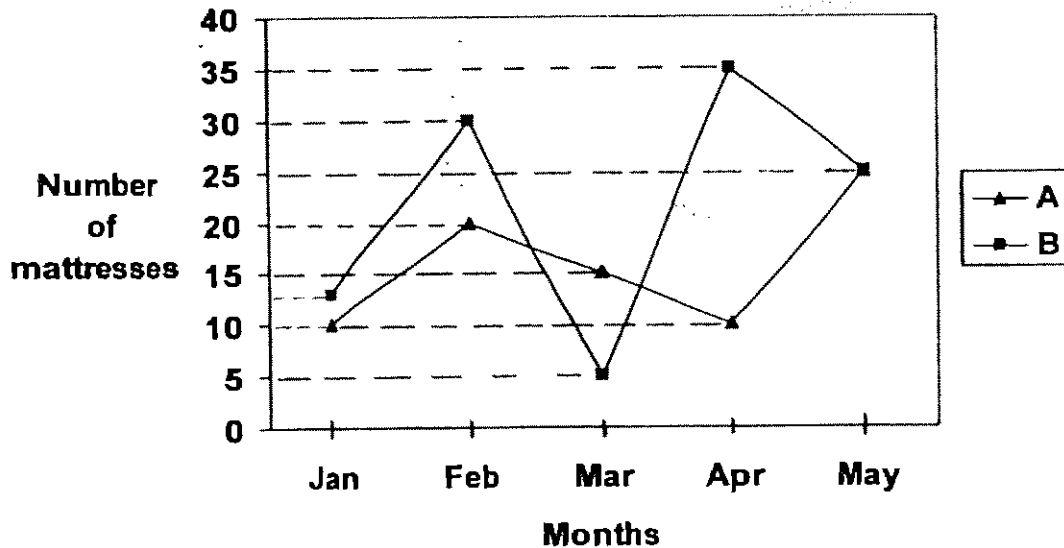


cm

30. The perimeter of a rectangular garden is 36m. Its length is twice its breadth. Find the area of the garden.

m^2

The line graph below shows the number of mattresses sold by two companies, A and B, from January to May. Study the graph carefully and answer question 31.



31. In which month was the difference in sales between the 2 companies the greatest?

32. Rearrange the numbers 4, 5, 6, 7, 8 in the boxes to form one mixed number and one improper fraction such that the **sum** of both the mixed number and the improper fraction is the largest.
Write the **sum** in the box as your answer.

$$\boxed{} \frac{\boxed{}}{\boxed{}} + \frac{\boxed{}}{\boxed{}} = \underline{}$$

33. $\frac{15}{8} - \frac{13}{16} = \boxed{}$
Express your answer as a mixed number.

34. Peihua spilled some milk on a receipt.
What is the greatest total amount possible on the receipt?

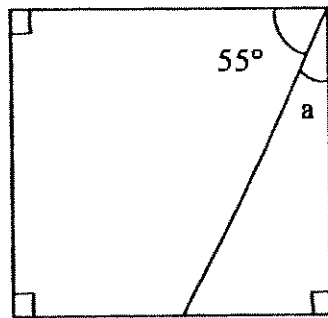
Hot Storage	
Receipt No. 1234	
Shampoo	\$ 10.90
Toothbrush	\$ 4.80
Soap	\$ 2.
Total	\$ 18.5

35. In 54.61, the digit 1 is in the _____ place.

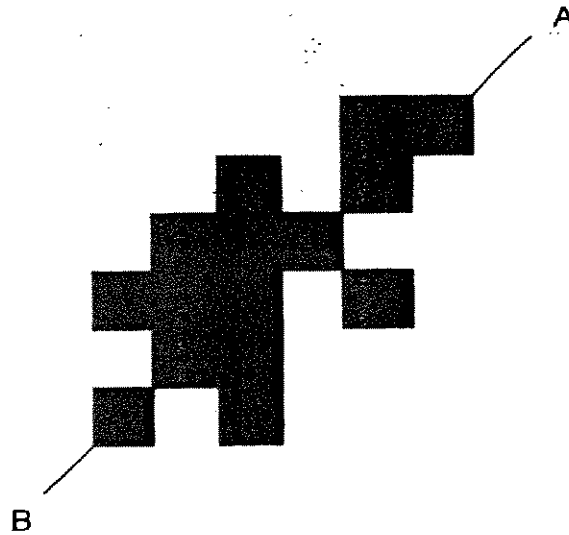
36. Arrange the following in increasing order.

$$0.708, \frac{39}{50}, \frac{7}{10}$$

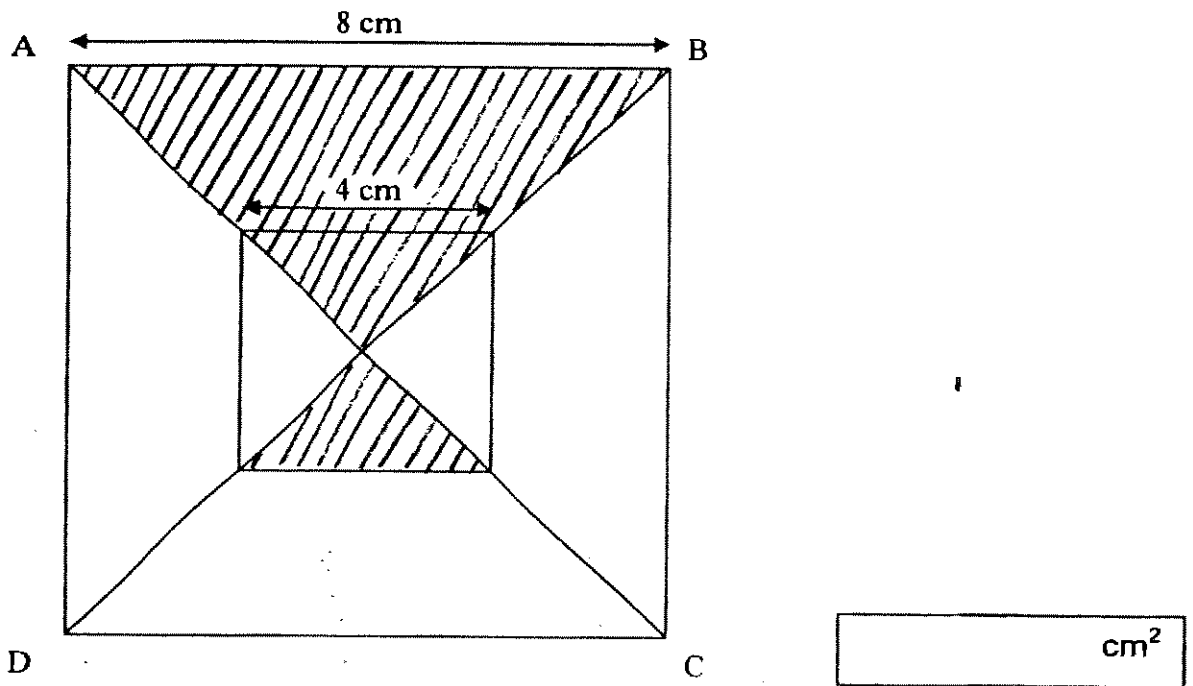
37. The square below is not drawn to scale. Find $\angle a$.



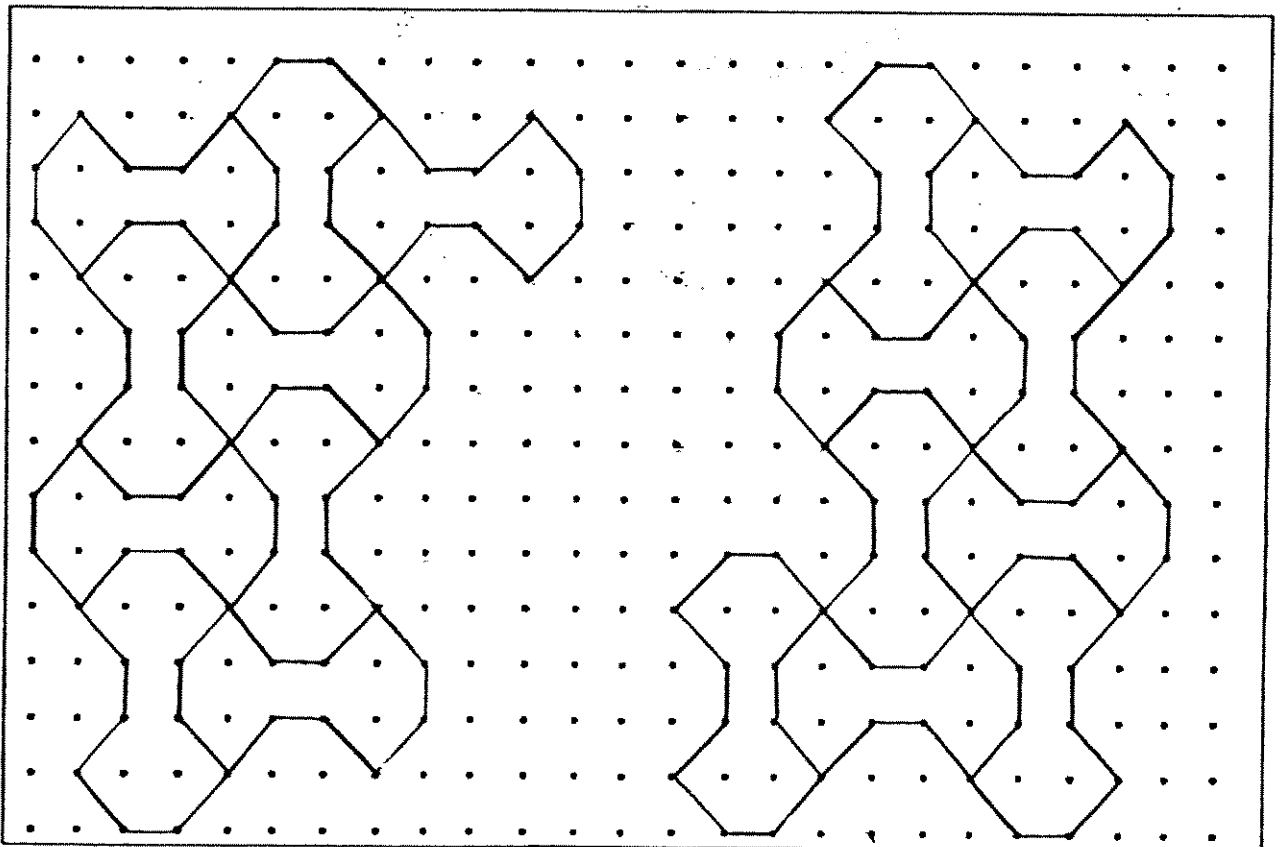
38. What is the least number of squares that must be added to the figure below so that line AB becomes a line of symmetry?



39. The figure below is made up of two squares of different sizes. AC and BD are the diagonals of the squares. Find the area of the shaded parts.



40. Complete the tessellation below by adding **eight** more unit shapes.



Section C (20 marks)

Questions 41 to 45 carry 4 marks each.

Show your working clearly in the space below each question.

Write a statement for each step.

41. $\frac{2}{3}$ of Sunny's marbles is equal to $\frac{3}{5}$ of Tin's marbles.
If Sunny has 4 marbles less than Tin, how many marbles does Tin have?

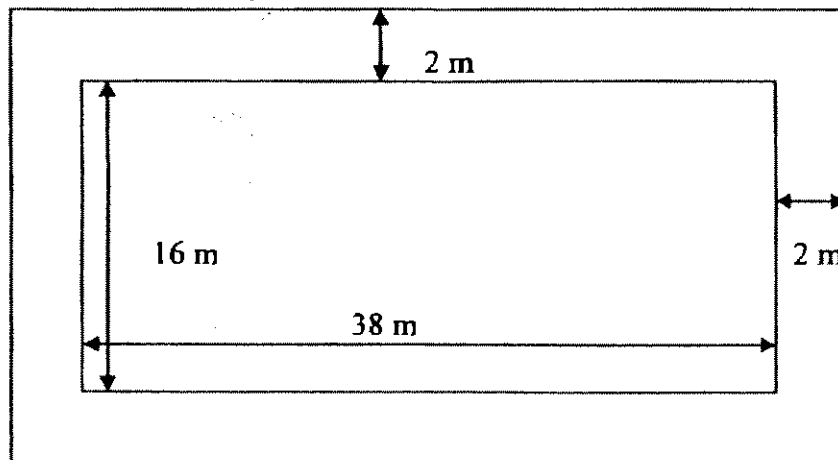
42. Mr Toh earns \$ 3600 a month. He saves $\frac{1}{3}$ of it every month and spends the rest. How much does he spend in 8 months?

43. Clarice took 43 s to solve a maths question.
Dawn took 5 s more than Clarice.
Ann took 49 s to complete it.
Bernice was 3 s faster than Ann
Evelyn took 5 s more than Bernice.
Who was the slowest child and what was her timing?

44. Find the mass of water.

<u>ITEMS</u>	<u>MASS</u>
Water + Solid A	$\frac{1}{2}$ kg
Water + Solid B	$\frac{3}{4}$ kg
Water + Solid A + Solid B	1 kg
Water	? kg

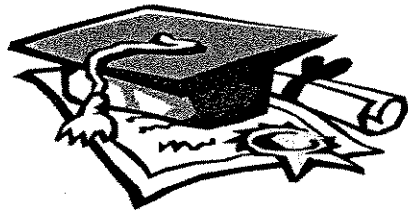
45. A rectangular swimming pool measures 38 m by 16 m.
A concrete path 2 m wide is paved round it.
Find the area of the path.



*Remember to check your work!
Every mark counts*



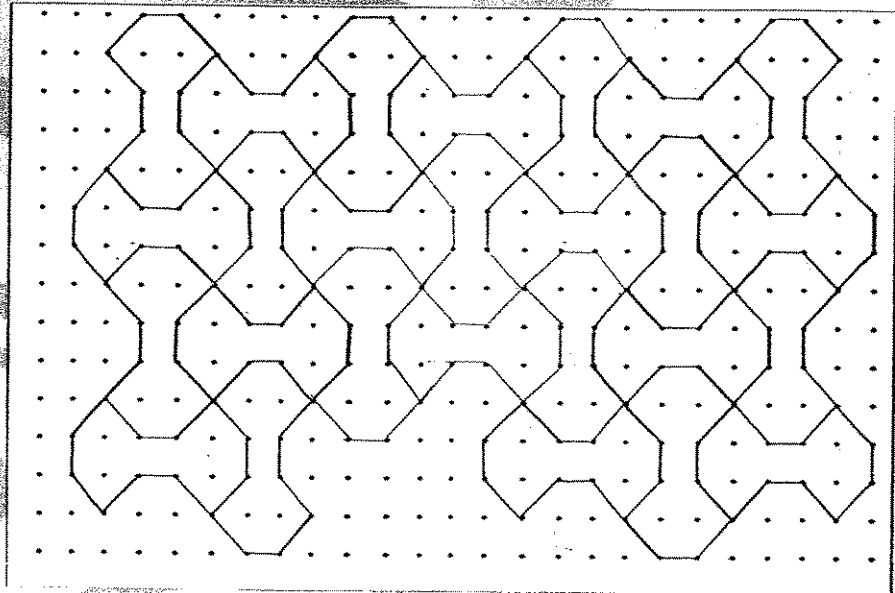
-- End of Paper --



ANSWER SHEET

MAHA BODHI PRIMARY SCHOOL - PRIMARY 4 MATHEMATICS 2007
SEMESTRAL ASSESSMENT (2)

1. 1
2. 2
3. 1
4. 2
5. 4
6. 2
7. 1
8. 1
9. 4
10. 3
11. 3
12. 1
13. 4
14. 2
15. 4
16. 3
17. 3
18. 3
19. 4
20. 3
21. 500
22. 122
23. 17688
24. 4
25. 1, 2, 3, 4, 6, 12
26. 22kg
27. 0.25L
28. 3600g
29. 104cm
30. 72m²
- 31) April
- 32) $10\frac{7}{12}$
- 33) $1\frac{1}{16}$
- 34) \$18.65
- 35) hundredths
- 36) $\frac{7}{10}$, 0.708, $\frac{39}{50}$
- 37) 35°
- 38) 3
- 39) 20cm²
- 40)



41) $\frac{2}{3} = \frac{6}{9}$ (Sunny)
 $\frac{3}{5} = \frac{6}{10}$ (Tin)
 $10 - 9 = 1u$
 $1u = 4$ marbles
 $10u = 10 \times 4 = 40$ marbles.

42) $\$3600 \div 3 = \1200
 $\$3600 - \$1200 = \$2400$
 $\$2400 \times 8 = \19200

43) $C = 43$
 $D = 43 + 5 = 48$
 $A = 49$
 $B = 49 - 3 = 46$
 $E = 46 + 5 = 51$

Evelyn was the slowest child. Her timing was 51 seconds.

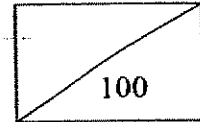
44) $\frac{1}{2} + \frac{3}{4} = \frac{2}{4} + \frac{3}{4}$
 $= \frac{5}{4}$
 $= 1\frac{1}{4}$
 $1\frac{1}{4} - 1 = \frac{1}{4}$

The mass of water is $\frac{1}{4}$ kg.

45) $38 + 2 + 2 = 42$
 $16 + 2 + 2 = 20$
 $42 \text{m} \times 20 \text{m} = 840 \text{m}^2$
 $38 \text{m} \times 16 \text{m} = 608 \text{m}^2$
 $840 \text{m}^2 - 608 \text{m}^2 = 232 \text{m}^2$

The area of the path is 232m^2

HENRY PARK PRIMARY SCHOOL
END OF YEAR EXAMINATION 2007
MATHEMATICS
PRIMARY 4



NAME: _____ () DATE: _____

CLASS: Pri 4 _____ DURATION: 1 h 45 min

Section A : (15 x 2 marks = 30 marks)

Read each question carefully. For each question, there are 4 options given.
Choose the correct answer and write the number in the brackets provided.

1. In 3 416, the digit 4 is in the _____ place.

- (1) ones
- (2) tens
- (3) hundreds
- (4) thousands

()

2. Express $3\frac{2}{5}$ as an improper fraction.

- (1) $\frac{6}{5}$
- (2) $\frac{11}{5}$
- (3) $\frac{17}{5}$
- (4) $\frac{32}{5}$

()

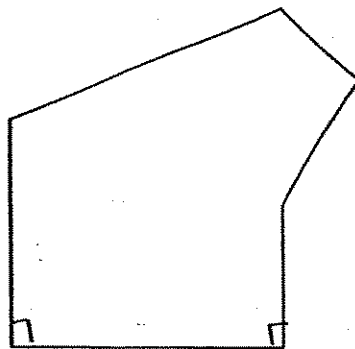
3. Continue with the number pattern:

0.004, 1.012, 2.02, _____

- (1) 3.004
- (2) 3.010
- (3) 3.012
- (4) 3.028

()

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



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

()

5. If the time now is 8.40 p.m., what was the time 45 minutes earlier?

- (1) 7.05 p.m.
- (2) 7.55 p.m.
- (3) 8.05 p.m.
- (4) 9.25 p.m.

()

6. What is the sum of the third and fourth multiples of 6?

- (1) 13
- (2) 18
- (3) 24
- (4) 42

()

7. What is the product of 27 and 31?

- (1) 108
- (2) 637
- (3) 648
- (4) 837

()

8. Which one of the following has the smallest value?

- (1) $\frac{1}{3} + \frac{1}{2}$
- (2) $\frac{1}{3} + \frac{1}{4}$
- (3) $\frac{1}{5} + \frac{1}{4}$
- (4) $\frac{1}{5} + \frac{1}{6}$

()

9. Multiply 246 by 4 tenths.

- (1) 0.984
- (2) 9.84
- (3) 98.4
- (4) 984

()

10. Which one of the following when rounded off to the nearest 1 decimal place is 50.0?

- (1) 49.949
- (2) 50.049
- (3) 50.065
- (4) 50.404

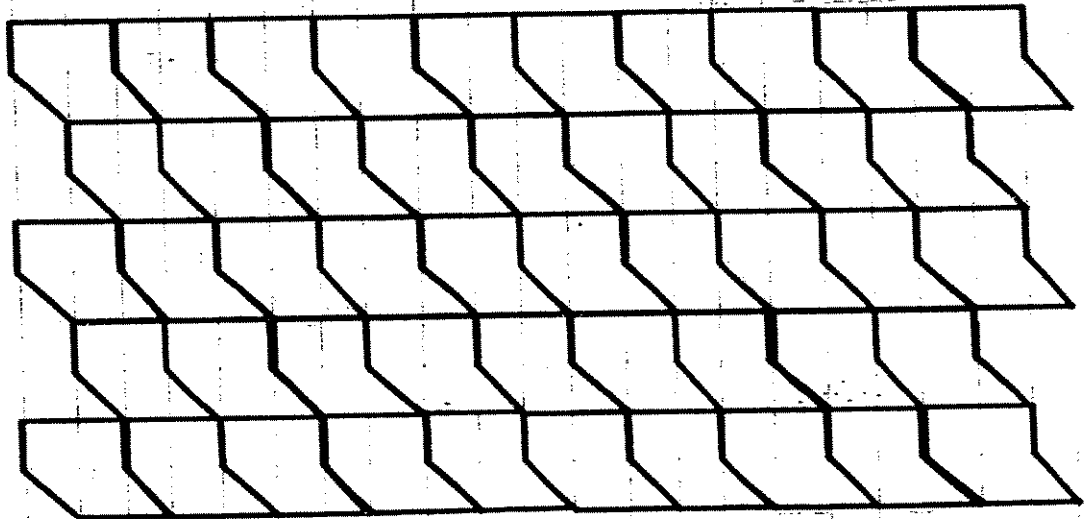
()

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

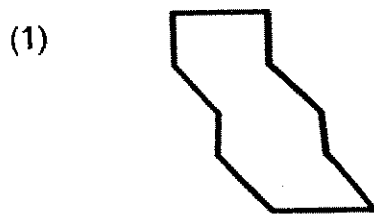
- (1) 3
- (2) 5
- (3) 6
- (4) 7

()

12. The pattern in the box below shows part of a tessellation.



Which of the following is the unit shape used in the tessellation above?



()

13. The perimeter of rectangle is 64 cm. Its breadth is 8 cm. Find the length of one side of the rectangle.

- (1) 8 cm
- (2) 24 cm
- (3) 48 cm
- (4) 56 cm

()

14. Mrs Gan bought some boxes of chocolates to give her 20 students. She wanted to give each student a bar of chocolate. Each box contained 8 bars of chocolate. What fraction of the bars of chocolate bought was left in the end if Mrs Gan bought the minimum number of boxes of chocolates?

- (1) $\frac{1}{6}$
- (2) $\frac{1}{5}$
- (3) $\frac{2}{5}$
- (4) $\frac{3}{5}$

()

15. For every 3 pens that John buys, he gets one pen free. If each pen costs \$1.05, how much should John pay to get 20 pens?

- (1) \$5.25
- (2) \$15.75
- (3) \$18.90
- (4) \$21.00

()

HENRY PARK PRIMARY SCHOOL
END OF YEAR EXAMINATION 2007
MATHEMATICS
PRIMARY 4

NAME: _____ ()

CLASS: Pri 4 _____

DURATION: 1 h 45 min

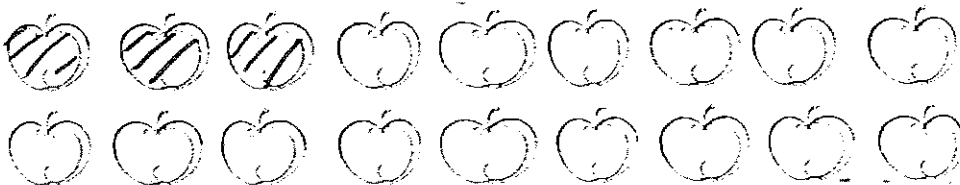
Section B : (20 x 2 marks = 40 marks)

Read the questions carefully and write the correct answer in the boxes provided. Show all workings clearly.

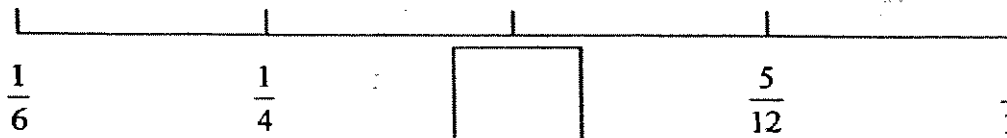
16. Write 15 020 in words.

17. Divide 1 386 by 7.

18. $\frac{1}{6}$ of these apples are red. If the rest are green, how many apples are green?



19. What is the fraction in the box? (Express your answer in the simplest form.)



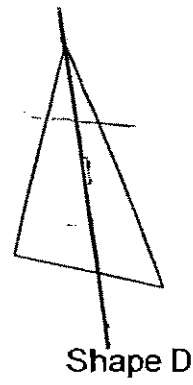
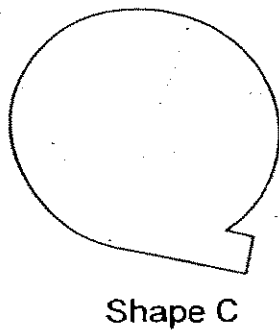
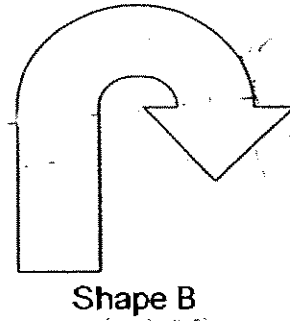
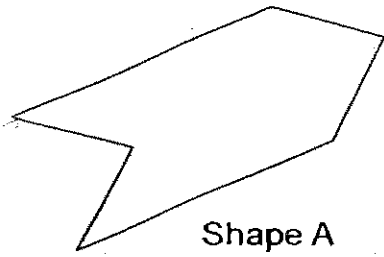
The table below shows the number of chicken burgers that 5 hawkers sold over 2 days. Study it carefully and answer questions 20 and 21.

Hawker	Day 1	Day 2
Amy	52	21
Ben	33	46
Carol	62	53
Danny	50	56
Esther	64	49

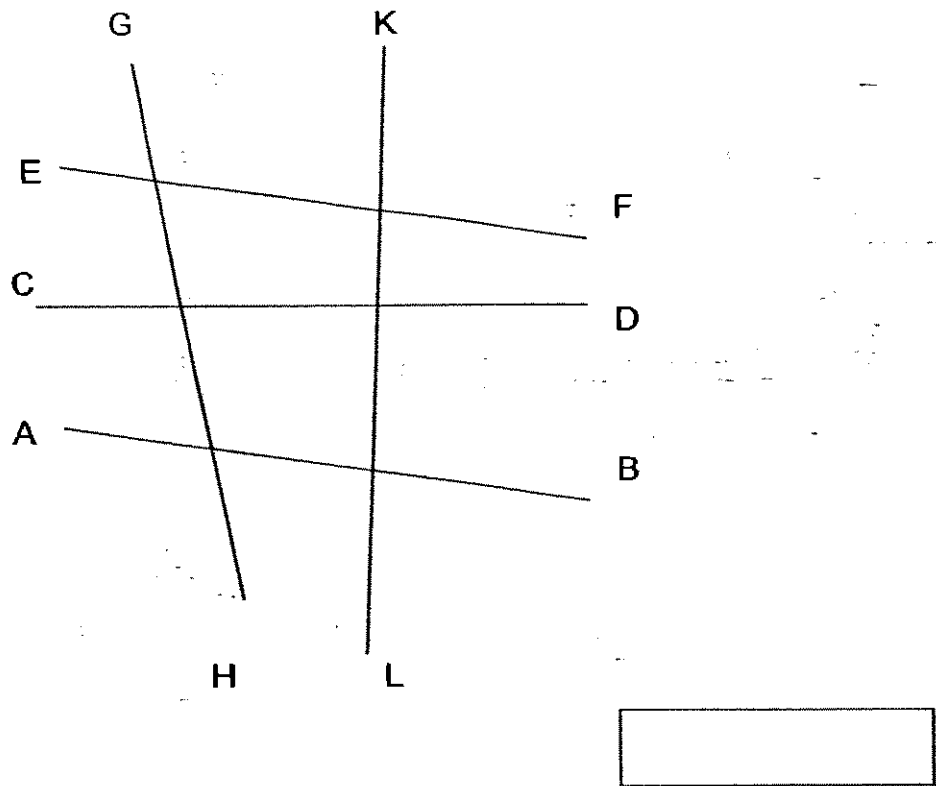
20. Who sold the lowest number of chicken burgers over the two days?

21. What is the total number of chicken burgers sold for the 2 days?

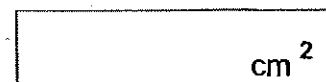
22. Which of the following shapes has a line of symmetry ?



23. Look at the diagram below and name a pair of parallel lines.



24. The perimeter of a rectangle is 58 cm. Its breadth is 5 cm. Find its area.

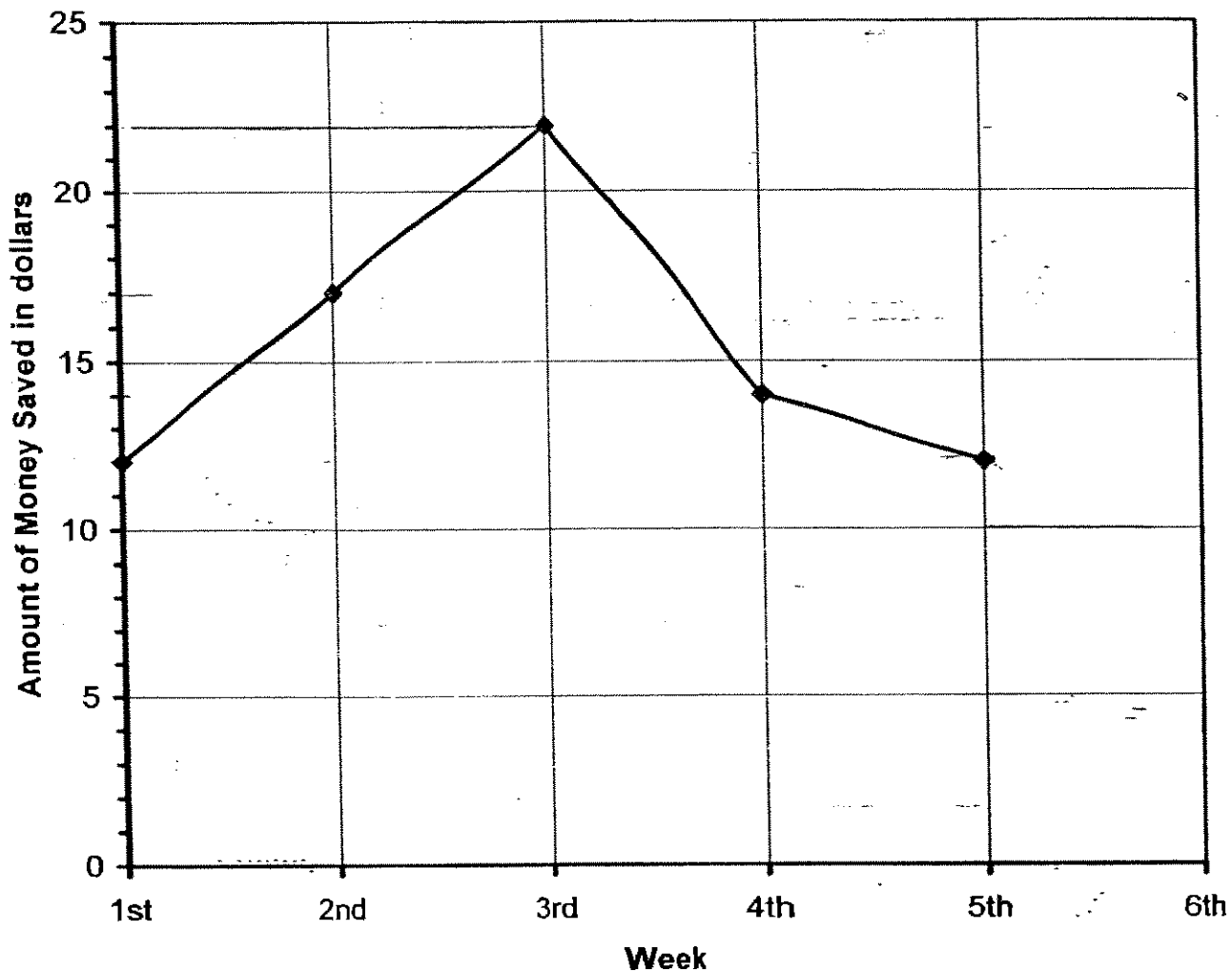


25. 24 ten-cent coins and _____ twenty-cent coins make up \$5.

26. What is the sum of the common factors of 4 and 12?

27. Jimmy bought 3 pens and a pencil for \$6.00. The pencil cost $\frac{1}{3}$ of a pen.
Find the cost of the pencil.

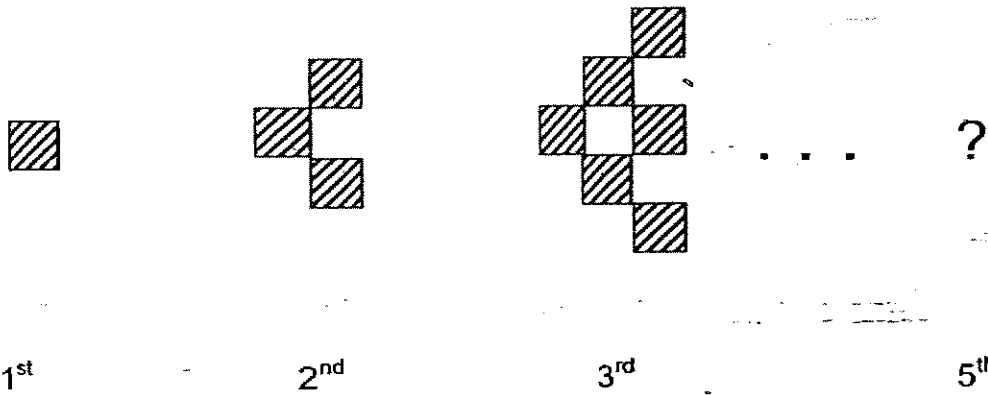
The graph below shows the amount of money Taufiq saved over 5 weeks. Study it carefully and answer question 28.



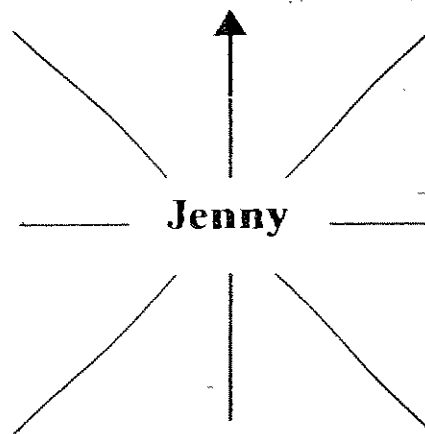
28. How much does he have to save by the end of the sixth week so that he will have \$84?

\$

29. Study the figures below. How many shaded squares are required for the 5th pattern?



30. Jenny is standing in the middle of the field and she is facing south-east. If she turns 180° where would she be facing?



31. A 4-digit number is made up of digits from 0 to 9. Each digit can be used only once. What is the smallest possible odd number that can be created?

32. $\frac{4}{7}$ of the books in the box are Archie comics while the rest are Spiderman comics. There are 5 less Spiderman comics than Archie comics books. Find the number of Archie comics.

33. Mrs Tan bought 5 kg of mangoes at \$3.99 per kg. How much did she spend altogether? Round off your answer to the nearest dollar.

34. Adrian and Henry took part in a marathon. Adrian's time was 4 hr 18 min 6 sec. Henry came in 7 seconds earlier than Adrian. What was Henry's time?

min

35. Ronald bought a computer for \$3 015. He paid \$1 287 at first, and paid the rest in equal amounts for 6 months. How much money did he pay each month?

\$

Section C : (30 marks.)

Read the following problem sums carefully. You may draw models to help you. Show all workings clearly in the spaces provided.

36. Tim's fish tank was $\frac{1}{4}$ full. He added 2 l of water to the tank and found that it was then $\frac{1}{3}$ full. How much water can the tank hold if it is filled to the brim with water? (3 marks)

37. Sam had a total of 110 durians and mangoes. He threw away $\frac{1}{3}$ of his durians and gave 20 mangoes away. He then found that he had an equal number of durians and mangoes left. How many durians did he have at first? (3 marks)

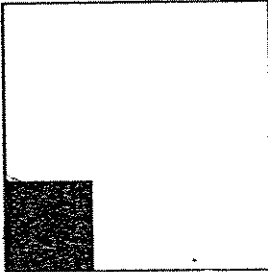
38. Tim baked 427 muffins and packed them equally into 8 boxes.
- a) How many muffins would be left unpacked? (2 marks)
 - b) He gives away 3 packets of chocolate chip cookies for every 2 boxes of muffins sold. How many packets of chocolate chip cookies will he give away if he sells all his boxes of muffins? (2 marks)
39. Mary bought 4 magazines and a dictionary for \$84. The total cost of the magazines is twice as much as the cost of the dictionary.
- a) How much does each magazine cost? (2 marks)
 - b) How much does one dictionary and one magazine cost altogether? (2 marks)

40. A tour bus drove from Town A to Town C. The bus started at 9.45 am. 4 hours and 15 mins later, the bus stopped at Town B for half an hour. The tour bus took another 4 hours 45 mins to reach Town C. When did the tour bus reach Town C? (4 marks)

41. Zoe had 5.1 kg of cherries more than Jennifer. When Zoe kept 0.24 kg of cherries for her relatives, she still had 3 times as much as Jennifer. How many kilograms of cherries did Zoe have at first? (4 marks)

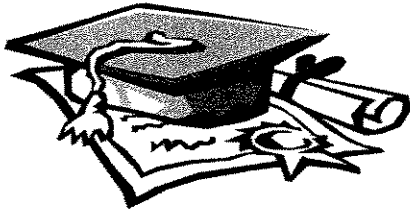
42. Mrs Chin bought 5 more erasers than pencils. Each eraser cost \$0.40 and each pencil cost \$1.10. How many erasers did she buy if she paid \$8 altogether? (4 marks)

43. The figure shows two squares. The area of the unshaded part of the figure is 32 cm^2 . The length of the shaded square is a whole number which is less than 7 cm. Find the perimeter of the unshaded part.
(4 marks)



HAVE YOU CHECKED YOUR WORK?

Setters: Mr. Francis Chia, Ms. E. Chua, Mr Saifullizan Almashor



ANSWER SHEET

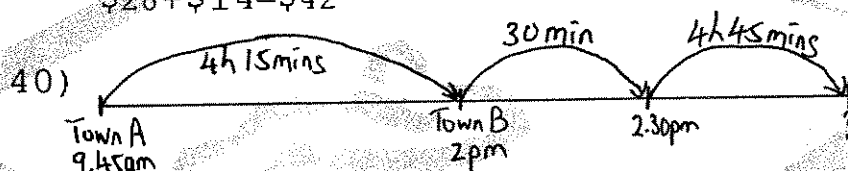
HENRY PARK PRIMARY SCHOOL - PRIMARY 4 MATHEMATICS 2007
SEMESTRAL ASSESSMENT (2)

- | | |
|---------------------------------|---|
| 1. 3 | 31) 1023 |
| 2. 3 | 32) 20 |
| 3. 4 | 33) \$20 |
| 4. 2 | 34) 4h 17min 59sec |
| 5. 2 | 35) \$288 |
| 6. 4 | 36) $\frac{1}{4} = \frac{3}{12}$ |
| 7. 4 | $\frac{1}{3} = \frac{4}{12}$ |
| 8. 4 | 1 unit \rightarrow 2l |
| 9. 3 | amount of water the tank
can hold \rightarrow 2l \times 12 = 24l |
| 10. 2 | |
| 11. 4 | |
| 12. 2 | |
| 13. 2 | |
| 14. 1 | |
| 15. 2 | |
| 16. fifteen thousand and twenty | |
| 17. 198 | |
| 18. 15 | 37) 5 units \rightarrow 110 - 20 = 90 |
| 19. $\frac{1}{3}$ | 1 unit \rightarrow 90 \div 5 = 18 |
| 20. Amy | No. of durians he had
at first \rightarrow 18 \times 3 = 54 |
| 21. 486 | |
| 22. A | |
| 23. EF and AB | 38) a) Muffins in 1 box \rightarrow |
| 24. 120cm ² | $427 \div 8 = 53$ |
| 25. 13 | Muffins left unpacked \rightarrow |
| 26. 7 | 3 |
| 27. \$0.60 | b) $8 \div 2 = 4$ |
| 28. \$7 | packets of chocolate
chip cookies he away
will give \rightarrow 4 \times 3 = 12 |
| 29. 15 | |
| 30. North-west | |

39) a) Cost of 1 magazine $\rightarrow \$84 \div 6 = \14

b) Cost of 1 dictionary $\rightarrow \$14 \times 2 = \28

Total cost of 1 dictionary and one magazine \rightarrow
 $\$28 + \$14 = \$42$



Time the tour bus reach Town B $\rightarrow 4\text{h } 15\text{min } 9.45\text{a.m.} = 2\text{pm}$

Time the tour bus reach Town C $\rightarrow 4\text{h } 4\text{mins after } 2.30\text{pm} = 7.15\text{pm.}$

41) $5.1\text{kg} - 0.24\text{kg} = 4.86\text{kg}$

1 unit $\rightarrow 4.86\text{kg} \div 2 = 2.43\text{kg}$

3 units $\rightarrow 2.43\text{kg} \times 3 = 7.29\text{kg}$

Kilograms of cherries Zoe have at first \rightarrow

$7.29\text{kg} + 0.24\text{kg} = 7.53\text{kg}$

42) She bought 9 erasers

43) 24cm

Name : _____ ()

Class : Primary 4 _____

CHIJ ST NICHOLAS GIRLS' SCHOOL



Primary 4

Second Semestral Assessment – 2007

Mathematics

11 October 2007

Test Score :

Parent's signature: _____

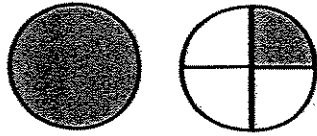
100

Duration of Paper: 1 h 45 min

Do not open the booklet until you are told to do so
Follow all instructions carefully

391

5. How many quarters are shaded below?



1) 5

2) 4

3) 3

4) 2

6. Which of the following does not have the same value as $27 \div 6$?

1) $\frac{54}{12}$

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

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

4) $2\frac{7}{6}$

7. Find the difference between $\frac{7}{12}$ and $\frac{1}{4}$

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

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

3) $\frac{5}{6}$

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

8. Mrs Singh bought 5 kg of rice. If her family ate $\frac{7}{10}$ of it, how much rice was left?

1) $\frac{7}{10}$ kg

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

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

4) $4\frac{3}{10}$ kg

19. How many minutes are there in 720 s?

1) 12 min

2) 24 min

3) 36 min

4) 72 min

20. What is 19 45 when expressed using the 12-hour clock?

1) 7.45 a.m.

2) 9.45 a.m.

3) 7.45 p.m.

4) 9.45 p.m.

SECTION B: (18 x 2 marks)

Write your answers in the blanks provided. Show your workings clearly.

21. Write the following in numerals:

Seventy thousand, eight hundred and seventeen.

Ans: _____

22. Find the sum of all the common factors of 18 and 24.

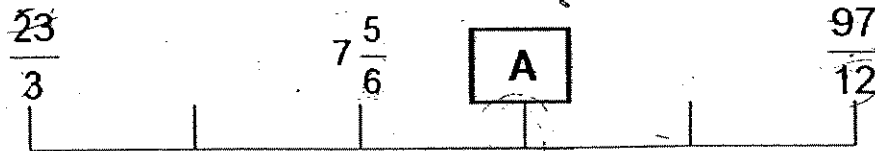
Ans: _____

23. Express $\frac{17}{8} + \frac{19}{6}$ as a mixed number.

Ans: _____

Do not
write in
this space

24. What is the value of A as an improper fraction?



Ans: _____

25. A shop sold 15 dresses. If this was $\frac{5}{8}$ of the original number of dresses, find the number of dresses the shop had at first.

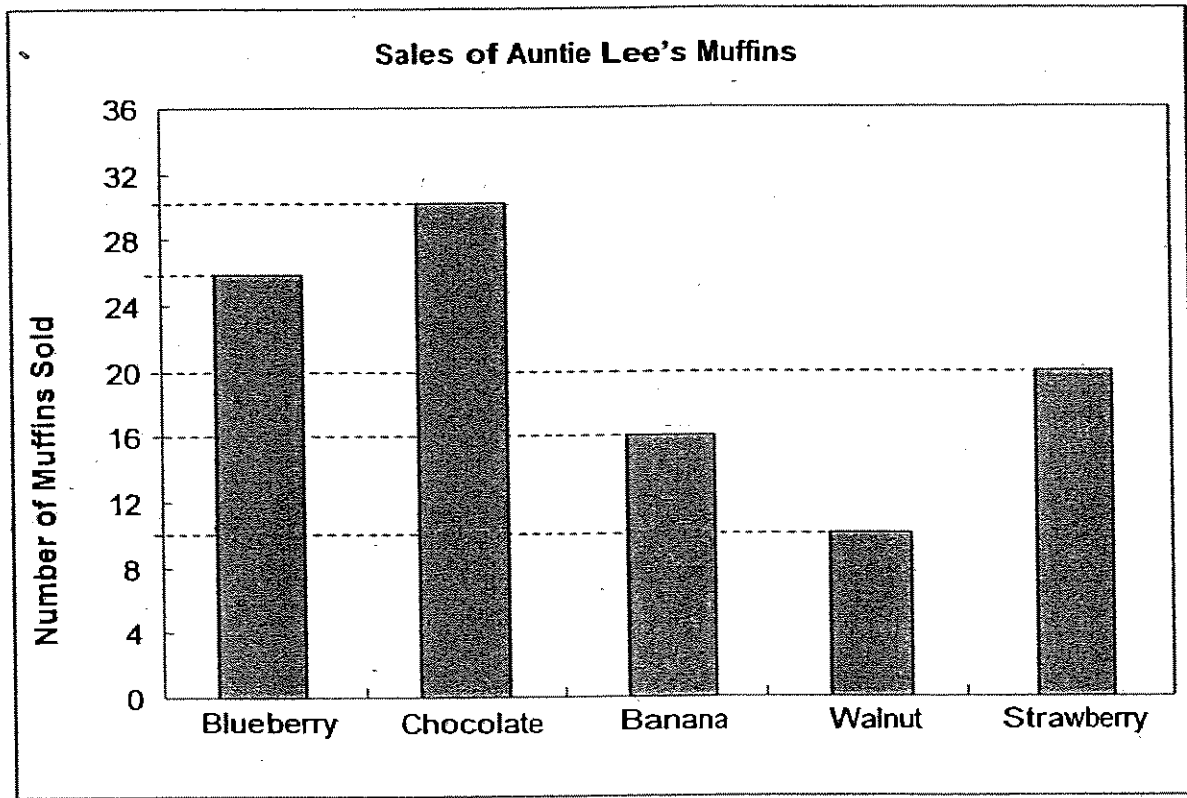
Ans: _____

Do not
write in
this space

Use the graph to answer questions 26 and 27.

The graph shows the number of muffins sold in Auntie Lee's muffin shop on a particular day.

Do not write in this spa



26. What type of muffins was sold 3 times as many as walnut muffins?

Ans: _____

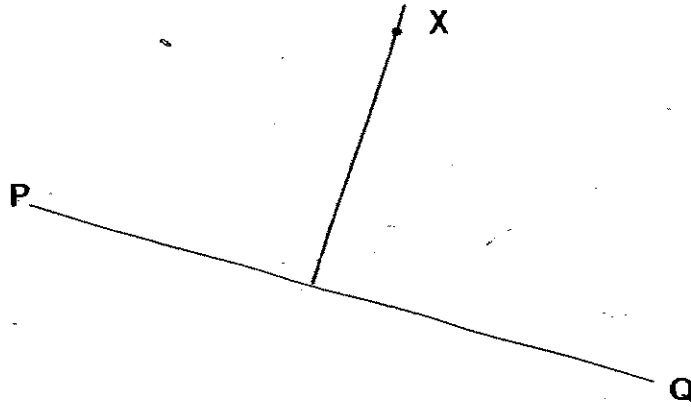
27. Each type of muffins cost \$2. How much did Auntie Lee receive from selling all the muffins?

|

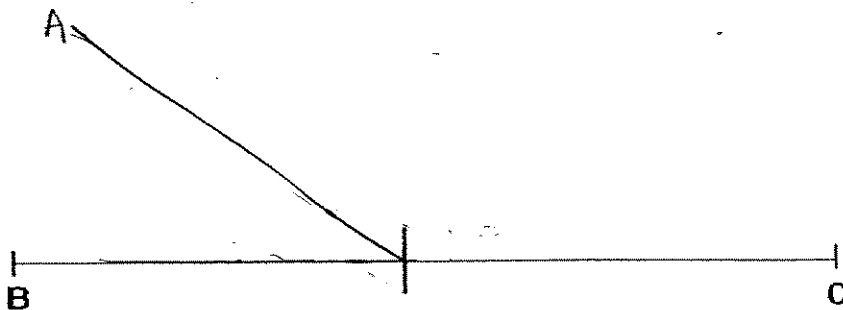
Ans: \$ _____

28. Draw a line perpendicular to PQ passing through point X.

Do not write in this space



29. Use the marked end point of the line below to draw $\angle ABC = 36^\circ$. Label the angle clearly.



30. Write the difference between 76 hundredths and 18 thousandths as a decimal.

Ans: _____

31. Arrange the following numbers in descending order:

4.608, 4.68, $4\frac{4}{5}$, 4.806

Ans: _____, _____, _____, _____

32. Look at the number pattern below. Find A and B and write as decimals.

0.095, 0.107, 0.227, A, 0.359, 0.371, B

Ans: A = _____

B = _____

401

Do not
write in
this space

33. Find the value of $92.61 \div 7$.

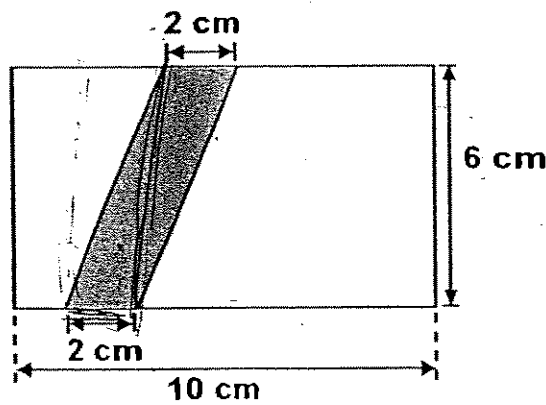
Do not write in this space

Ans: _____

34. Round off each amount to the nearest tenth litre.
Then estimate the value of $5.26 \text{ l} + 4.87 \text{ l}$

Ans: _____ l

35. Jeremy cut the shaded portion from a piece of rectangular paper as shown below. What is the area of remaining piece of paper?



Ans: _____ cm^2

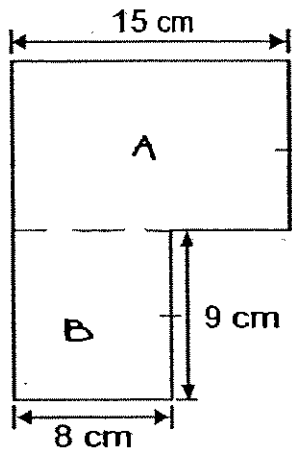


SECTION C: (6 x 4 marks)

Solve the following problems. **All mathematical working and statements must be shown clearly.**

Do not
write in
this space

39. Find the area of the figure below. (All lines meet at right angles.)



Ans: _____ (4m)⁴⁰⁴

40. Mrs Ng had 6560 g of flour. She used 230 g and gave some flour to her neighbour. Then Mrs Ng had $\frac{5}{8}$ of the original amount of flour left.
How much flour did her neighbour receive?

Do not
write in
this space

Ans: _____ (4m) ⁴⁰⁵

41. The total mass of Siti, her father and her mother is 149.2 kg. The mass of Siti's father is 3 times that of Siti. He is also 21.6 kg heavier than Siti's mother. How heavy is Siti's mother?

Do not
write in
this space

Ans: _____ (4m)₄₀₆

42. Victor spent \$5.45 on pens and pencils. If each pen costs \$0.60 and each pencil costs \$0.25, find the number of pens and the number of pencils Victor bought.

Do not write in this space

Ans: _____ pens
_____ pencils (4m)⁴⁰⁷

43. Chee Keong took 35 minutes to travel from his home to the stadium to watch a football match. He reached the stadium 20 minutes before the match started. If the match lasted 1 h 45 min and ended at 21 30, when did Chee Keong leave his home?

Do not write in this space

Ans: _____ (4m)

408

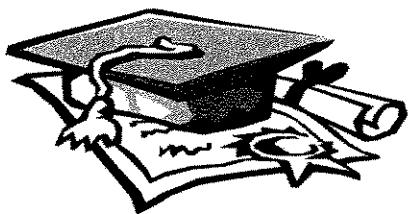
44. Adam had 4 times as many Singapore stamps as China stamps. After he gave away 678 Singapore stamps to his friend in exchange for 393 China stamps, Adam now has the same number of Singapore stamps as China stamps. What is the total number of stamps Adam had at first?

Do not write in this space

Ans: _____ (4m)

409



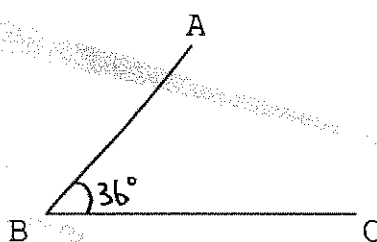


ANSWER SHEET

CHIJ PRIMARY SCHOOL - PRIMARY 4 MATHEMATICS 2007
SEMESTRAL ASSESSMENT (2)

- 1. 4
- 2. 2
- 3. 3
- 4. 3
- 5. 1
- 6. 4
- 7. 2
- 8. 2
- 9. 1
- 10. 4
- 11. 3
- 12. 4
- 13. 1
- 14. 3
- 15. 3
- 16. 2
- 17. 2
- 18. 1
- 19. 1
- 20. 3
- 21. 70817
- 22. 12
- 23. $5\frac{7}{24}$
- 24. $95\frac{1}{12}$
- 25. 24
- 26. chocolate
- 27. \$204
- 28. P

29)



30) 0.742

31) 4.806, $4\frac{4}{5}$, 4.68, 4.608

32) a) 0.239

b) 0.491

33) 13.23

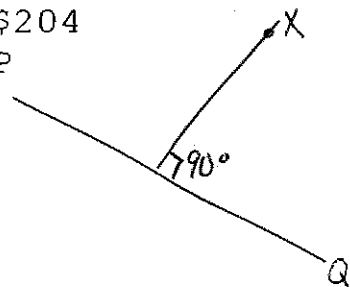
34) 1.02

35) 56cm²

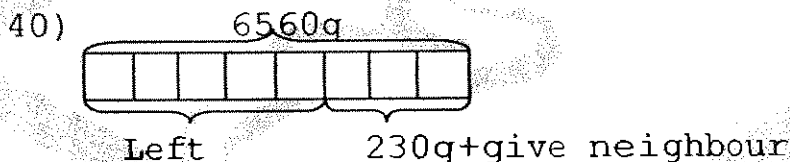
36) 56m

37) 21m²

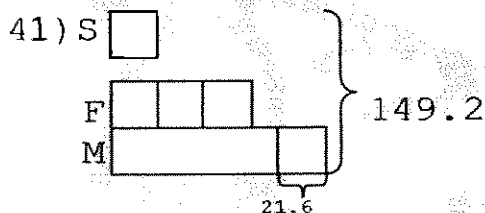
38) 2h 20min



39) Area of A $\rightarrow 15\text{cm} \times 9\text{cm} = 135\text{cm}^2$
 Area of B $\rightarrow 9\text{cm} \times 8\text{cm} = 72\text{cm}^2$
 Total area $\rightarrow 72\text{cm}^2 + 135\text{cm}^2 = 207\text{cm}^2$
 The total area is 207cm^2



1 unit $\rightarrow 6560\text{g} \div 8 = 820\text{g}$
 Left $\rightarrow 820\text{g} \times 5 = 4100\text{g}$
 3 units $\rightarrow 6560\text{g} - 4100\text{g} = 2460\text{g}$
 Neighbour $\rightarrow 2460\text{g} - 230\text{g} = 2230\text{g}$
 Her neighbour received 2230g of flour.



$149.2 + 21.6 = 170.8$
 1 unit + 3 units + 3 units = 7 units
 7 units $\rightarrow 170.8$
 1 unit $\rightarrow 170.8 \div 7 = 24.4$
 3 units $\rightarrow 24.4 \times 3 = 73.2$
 Mother $\rightarrow 73.2 - 21.6 = 51.6\text{kg}$
 Siti's mother is 51.6kg .

42) Pens	Amount	Penal	Amount	((Amt) Total)	check
6	\$3.60	6	\$1.50	\$5.10	x
8	\$4.80	4	\$1.00	\$5.80	x
7	\$4.20	5	\$1.25	\$5.45	✓

He bought 7 pens and 5 pencils.

43) He left his home at 18 50h

44) $678 + 393 = 1071$

3units \rightarrow 1071

1unit \rightarrow $1071 \div 3 = 1785$

5units \rightarrow $357 \times 5 = 1785$

Adam had 1785 stamps at first.



NAN HUA PRIMARY SCHOOL
SEMESTRAL ASSESSMENT 2 - 2007
PRIMARY 4
MATHEMATICS

Time : 1 h 45 min

INSTRUCTIONS TO CANDIDATES

1. Write your name, register number and class in the blanks provided.
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 A & B:		/ 80
Section C:		/ 20
Total		180 / 100

Name : _____ ()

Class : P 4 _____

Date : 25 October 2007

Parent's Signature : _____

Section A (20 × 2 marks)

Questions 1 to 20 carry 2 marks each.

Of the 4 options given, only one is correct. Choose the correct answer (1, 2, 3 or 4) and write its number in the brackets provided.

1. In 89 002, the digit '9' stands for _____.

- (1) 9 ones
- (2) 9 tens
- (3) 9 hundreds
- (4) 9 thousands

()

2. How many hundreds are there in 13 700?

- (1) 137
- (2) 700
- (3) 1 370
- (4) 3 700

()

3. A car-park is in the shape of a rectangle. Its length is 50 m and its breadth is 30 m. Its area is _____.

- (1) 80 m²
- (2) 150 m²
- (3) 160 m²
- (4) 1 500 m²

()

4. The two common factors of 24 and 36 are _____.

- (1) 2, 9
- (2) 3, 6
- (3) 3, 9
- (4) 4, 8

()

5. 3×0.9 is the same as _____.

(1) $\frac{3}{100} \times \frac{9}{10}$

(2) $\frac{3}{10} \times 9$

(3) $\frac{3}{100} \times 9$

(4) $\frac{3}{10} \times \frac{9}{10}$

()

6. Which of the following is an equivalent fraction of $\frac{2}{10}$?

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

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

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

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

()

7. If the area of a square is 64 cm^2 , its perimeter is _____.

(1) 8 cm

(2) 16 cm

(3) 32 cm

(4) 256 cm

()

8. A girl was 34 kg when rounded off to the nearest kg. Which of the following could be her possible mass ?

(1) 33.48 kg

(2) 33.31 kg

(3) 34.52 kg

(4) 34.37 kg

()

9. Which of the following will give the smallest answer?

- (1) $10 - 1$
- (2) $10 - 0.1$
- (3) $10 - 0.01$
- (4) $10 - 0.001$

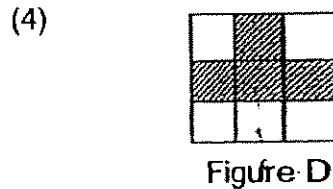
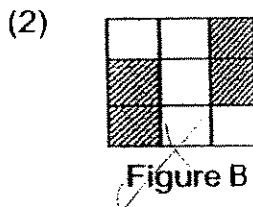
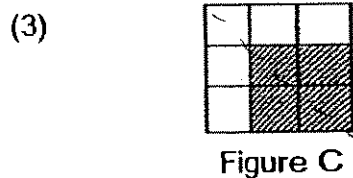
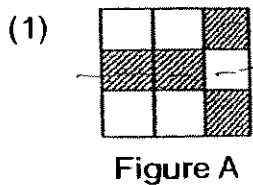
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10. How many halves can you get from $3\frac{1}{2}$?

- (1) 5
- (2) 6
- (3) 7
- (4) 8

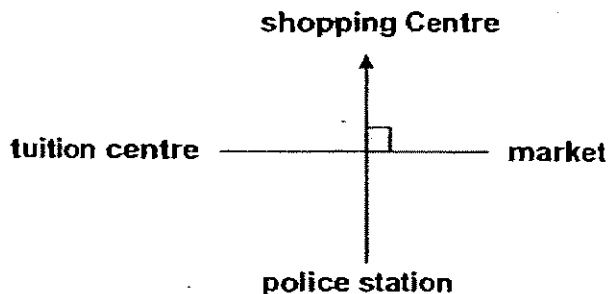
()

11. Figures A to D is each made up of 9 squares. In each of them, 4 squares are shaded. Which figure does not have a line of symmetry?



()

12.

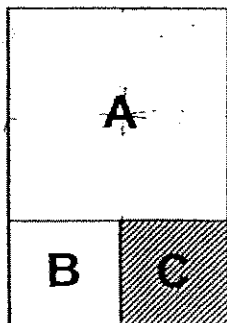


John is facing the shopping centre now. If he turns 270° anti-clockwise, he would be facing the _____.

- (1) market
- (2) police station
- (3) shopping centre
- (4) tuition centre

()

13. The figure below is made up of 3 squares A, B and C. What fraction of the figure below is shaded ?



- (1) $\frac{1}{2}$
- (2) $\frac{1}{3}$
- (3) $\frac{1}{5}$
- (4) $\frac{1}{6}$

()

14. Express $1\frac{3}{100}$ as a decimal.

- (1) 0.13
- (2) 1.03
- (3) 1.003
- (4) 10.03

()

15. $1.12 = 1.1 +$

What is the missing number in the box?

- (1) 0.2
- (2) 2
- (3) 0.02
- (4) 0.002

()

16. In $1.25 = 1 + \frac{1}{\square}$, the missing denominator is _____

- (1) 25
- (2) 2
- (3) 100
- (4) 4

()

17. What time is 50 minutes after 14 50 ?
(State the time using the 12-hour clock.)

- (1) 3.00 a.m.
- (2) 3.40 a.m.
- (3) 3.00 p.m.
- (4) 3.40 p.m.

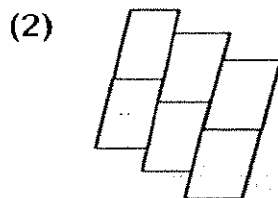
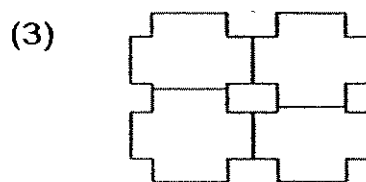
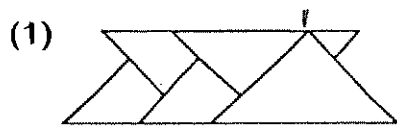
()

18. What is the value of $0.48 \div 6$?

- (1) 0.008
- (2) 0.08
- (3) 0.8
- (4) 8

()

19. Which of the following is a tessellation?



()

20. It is twelve noon. In 45 minutes' time, how many right angles would the minute hand turn?

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

()

Section B: Open-ended Questions (20 × 2 marks)

Questions 21 to 40 carry 2 marks each.

Write out the correct answers for the following questions in the boxes provided.
Show your workings clearly and give your answers in the units provided.

21. In 21.35, the digit _____ is in the hundredths place.

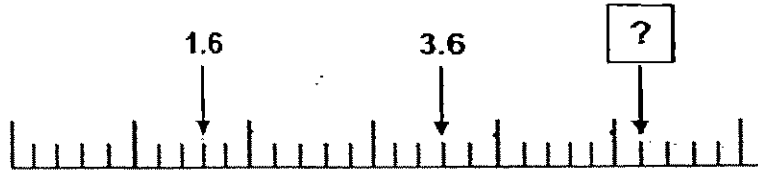
22. Find the quotient when 409 is divided by 7.

23. Find the value of $2.5 \text{ m} + 5$. m

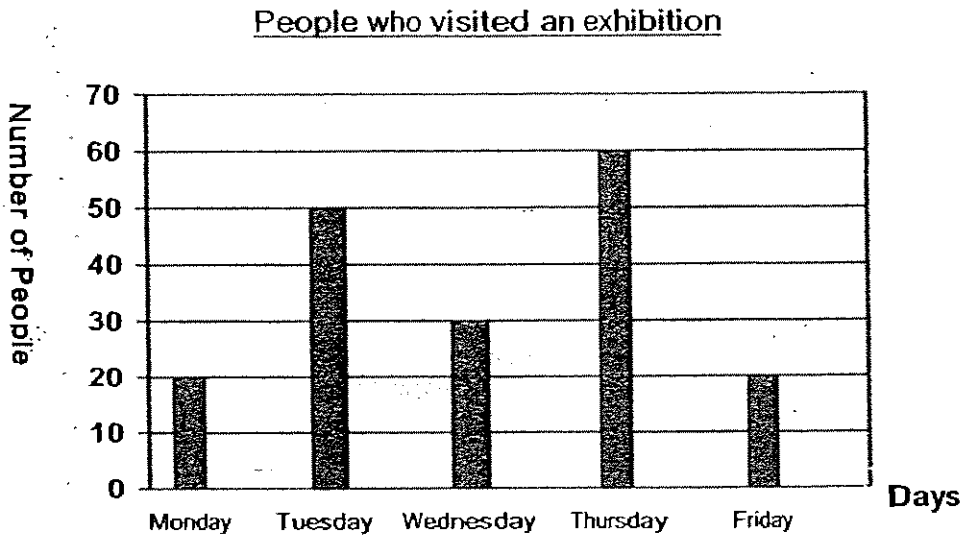
24. Mabel's present age is a multiple of 5. Next year, her age will be a factor of 48. If Mabel is between 10 and 25 years old, what is her age in 4 years' time?

 years old

25. Fill in the missing number.



Study the graph below carefully and answer questions 26 and 27.



The graph above shows the number of people who visited an exhibition on different days.

26. On which day was there **twice** as many people as on Wednesday?

27. What is the total number of people who visited the exhibition from Monday to Friday?

28. The sum of two numbers is 45. If one of them is twice the other number, find the smaller number.

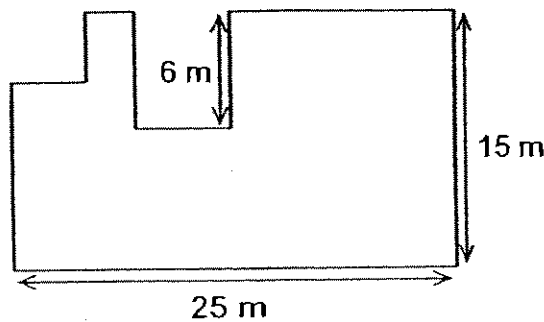
29. Christopher had 6 blue pens and 3 green pens. He gave 2 blue pens away. What fraction of the remaining pens were blue ?

30. Find the time duration from 15 20 to 20 35.

h	min
---	-----

31. Express 6.50 p.m. using the 24-hour clock.

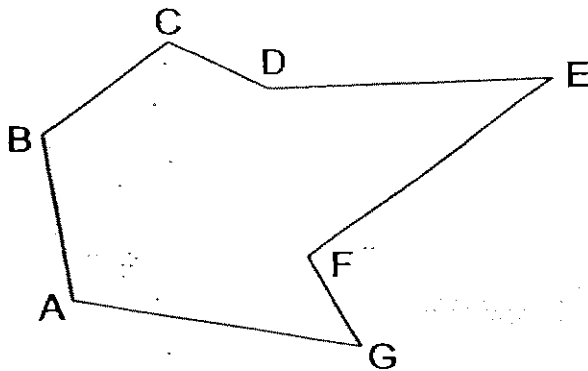
32. Find the perimeter of the given figure.
(The figure below is not drawn to scale.)


 m

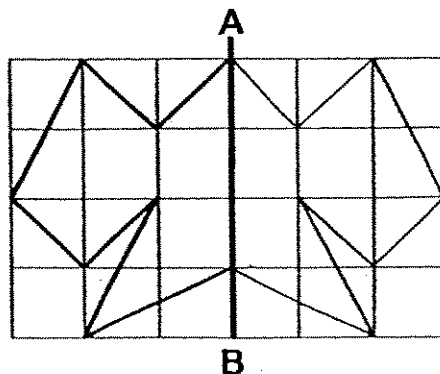
33. Every 5 apples cost \$1 and every 10 oranges cost \$1.50.
Find the total cost of 10 such apples and 30 such oranges.

\$

34. Name a pair of parallel lines in the figure.



35. Complete the symmetric figure with AB as the line of symmetry.



36. $\frac{1}{2}$ of the fruit in a basket are mangoes, $\frac{1}{4}$ are bananas and the rest are pears. If there are 16 mangoes, how many pears are there in the basket?

_____ pears

37. Henry has 100 marbles. He has 10 marbles fewer than Sam. How many marbles do they have altogether?

_____ marbles

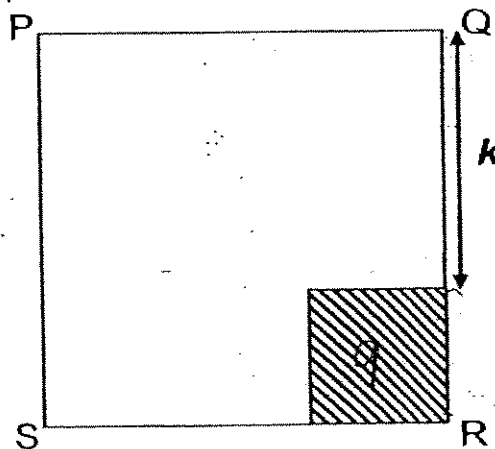
38. Ellen has 4 number cards as shown below.



By using the digits on the cards, she forms the greatest 4-digit number and the smallest 4-digit number. Find the difference between these 2 newly formed numbers.

39. Jill has 40 coins. Some of the coins are 50-cent coins and the rest are 20-cent coins. The total value of the coins is \$16.10. How many 20-cent coins does she have?

40. The area of square PQRS is 81 cm^2 . The area of the smaller shaded square is 9 cm^2 . Find the length of k . (The figure is not drawn to scale.)



Section C: Problem Sums (5 × 4 = 20 marks)

Do the following sums carefully. All statements and workings must be clearly shown. All the units must also be stated clearly.

41. Jane mixed $\frac{3}{8}$ litres of red paint with $3\frac{1}{4}$ litres of white paint to paint her bedroom. If $2\frac{1}{2}$ litres of paint was used, how much paint was left?

42. Bala bought 6 Giodano T-shirts at \$3.60 each. His neighbour, Gopal bought 4 identical blouses and a similar Giodano T-shirt at a total amount of \$61.

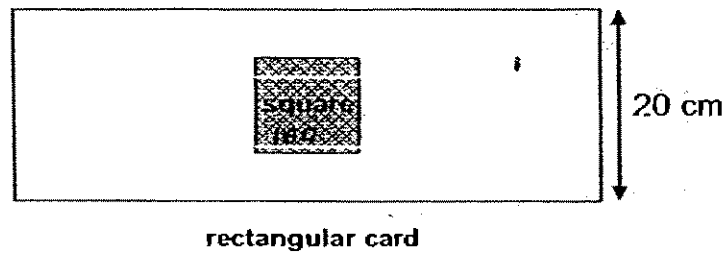
- (a) How much more did Gopal spend than Bala?
- (b) What is the cost of 1 such blouse?

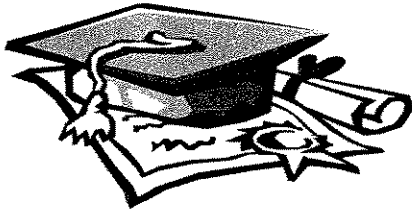
43. There were some people at a musical. 240 of them were adults and the rest were children. The table below shows the ticket charges for the musical. If \$2 720 were collected from the sales of tickets, calculate the number of children at the concert .

	Price per person
Adult	\$6
Child	\$4

44. Jane loved sweets. Each day, she would eat 2 more than the previous day. If she ate a total of 27 sweets in 3 days, how many such sweets did she start with on the first day?

45. The breadth of a rectangular card is 20 cm. Its length is thrice as long as its breadth. Mr Lum draws a square in the middle of the rectangular card and shades it. The shaded square has an area of 100 cm^2 . What is the area of the unshaded part of the card?
(The figure below is not drawn to scale.)

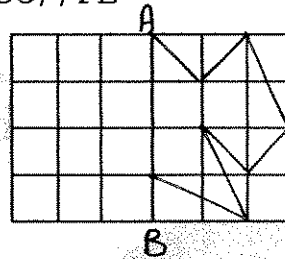




ANSWER SHEET

NAN HUA PRIMARY SCHOOL - PRIMARY 4 MATHEMATICS 2007
SEMESTRAL ASSESSMENT (2)

1. 4
2. 1
3. 4
4. 2
5. 2
6. 2
7. 3
8. 4
9. 1
10. 3
11. 2
12. 1
13. 4
14. 2
15. 3
16. 4
17. 4
18. 2
19. 2
20. 3
21. 5
22. 58
23. 0.5
24. 19 years old
25. 5.2
26. Thursday
27. 180
28. 15
29. $\frac{4}{7}$
30. 5h 15min
- 31) 1850
32) 92m
33) \$6.50
34) BC//FE
35)



- 36) 8 pears
37) 210 marbles
38) 5472
39) 13 coins
40) 6cm

$$\begin{aligned}
 41) \quad & 3/8L + 3\frac{1}{4}L = 3/8L + 3L\frac{1}{4} \quad (\times 2) L \\
 & = 3/8L + 3\frac{2}{8}L \\
 & = 3\frac{5}{8}L \\
 & 3\frac{5}{8}L - 2\frac{1}{2}L = 3\frac{5}{8}L - 2\frac{4}{8}L \quad (\times 4) \\
 & = 3\frac{5}{8}L - 2\frac{4}{8}L = 1\frac{1}{8}L \\
 & 1\frac{1}{8}L \text{ of paint was left.}
 \end{aligned}$$

$$\begin{aligned}
 42) \quad & a) \$3.60 \times 6 = \$21.60 \\
 & \$61.00 - \$21.60 = \$39.40 \\
 & \text{Gopal spent } \$39.40 \text{ more than Bala.} \\
 & b) \$61 - \$3.60 = \$57.40 \\
 & \$57.40 \div 4 = \$14.35 \\
 & \text{The cost of 1 such blouse is } \$14.35
 \end{aligned}$$

$$\begin{aligned}
 43) \quad & 240 \times \$6 = \$1440 \\
 & \$2720 - \$1440 = \$1280 \\
 & \$1280 \div \$4 = 320 \\
 & \text{There were 320 children at the concert.}
 \end{aligned}$$

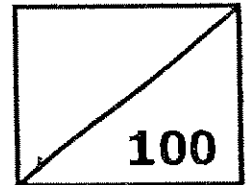
44) First day	Second day	third day	total	
5	7	9	21	x
7	9	11	27	✓

She ate 7 sweets on the first day.

$$\begin{aligned}
 45) \quad & 20\text{cm} \times 3 = 60\text{cm} \\
 & 20\text{cm} \times 60\text{cm} = 1200\text{cm}^2 \\
 & 1200\text{cm}^2 - 100\text{cm}^2 = 1100\text{cm}^2 \\
 & \text{The area of the unshaded part of the card is } 1100\text{cm}^2
 \end{aligned}$$



Rosyth School
Second Semestral Assessment 2007
Mathematics
Primary 4



Name: _____

Class: Pr 4-_____ Register No. _____ Duration: 1h 45 min

Date: 30 Oct 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 20 in Section A, shade the correct ovals on the Optical Answer Sheet (OAS).

	Maximum	Marks Obtained
Section A	40	
Section B	40	
Section C	20	
Total	100	

* This paper consists of 19 pages altogether.

This paper is not to be reproduced in part or whole without the permission of the Principal.

Section A (40 marks)

Question 1 to 20 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).

- 1) Round off 13 576 to the nearest hundred.
- (1) 13 000
 - (2) 13 500
 - (3) 13 580
 - (4) 13 600
- 2) In the number 456.238, which digit is in the hundredth place?
- (1) 8
 - (2) 2
 - (3) 3
 - (4) 4
- 3) Which one of the following numbers is the largest?
- (1) 0.8
 - (2) 0.73
 - (3) 0.099
 - (4) 0.690
- 4) 3 ones, 7 tenths and 5 thousandths is _____.
- (1) 0.375
 - (2) 3.075
 - (3) 3.705
 - (4) 3.75

5) $36.275 = 36 + 0.2 + \boxed{} + 0.005$

What is the missing number in the box?

(1) $\frac{7}{10}$

(2) $\frac{7}{100}$

(3) $\frac{7}{1000}$

(4) 7

6) $20 \times \boxed{} \times 2 = 100 + 60$. What is the missing number in the box?

(1) 160

(2) 40

(3) 8

(4) 4

7) Arrange the following numbers from the smallest to the largest.

8.88, 8.8, 8.08

(1) 8.88, 8.8, 8.08

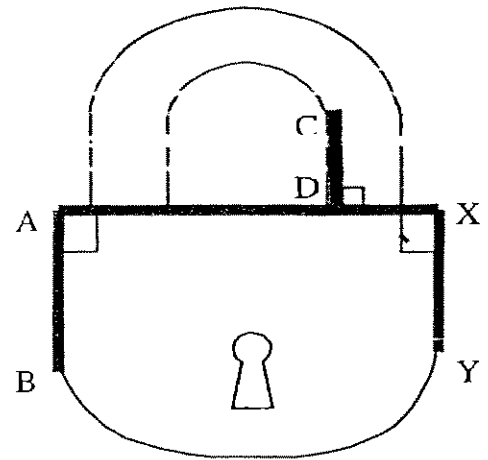
(2) 8.08, 8.88, 8.8

(3) 8.8, 8.88, 8.08

(4) 8.08, 8.8, 8.88

8) Name a pair of parallel lines.

- (1) AB and CD
- (2) CD and AD
- (3) BA and AX
- (4) DX and XY



9) Which one of the following letters has perpendicular lines?

- (1) E
- (2) M
- (3) Y
- (4) Z

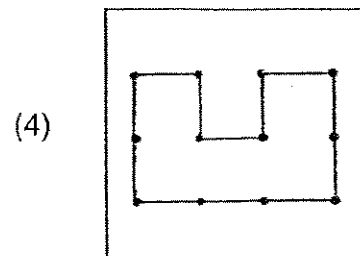
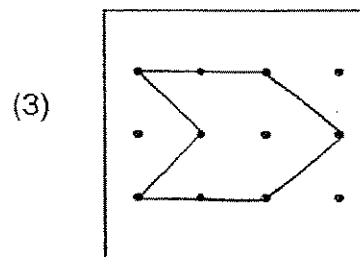
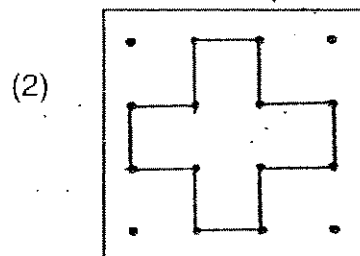
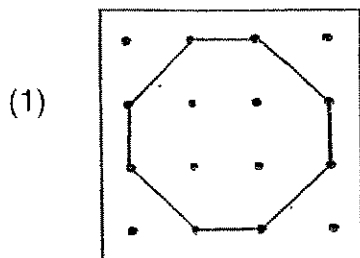
10) Which figure below has four right angles and four lines of symmetry?



11) Which one of the following words has a horizontal line of symmetry?

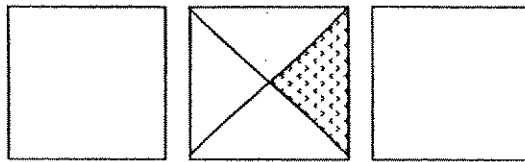
- (1) BAD
- (2) DYE
- (3) HEX
- (4) LID

12) Which of the unit shape below cannot be tessellated?



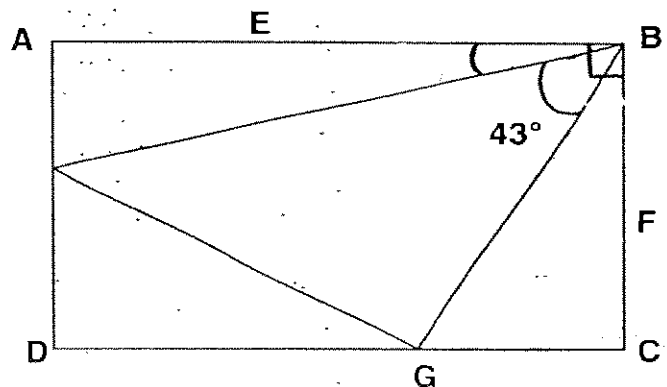
- 13) There are three similar squares.
What fraction of the squares is NOT shaded?

- (1) $\frac{1}{12}$
 (2) $\frac{1}{4}$
 (3) $\frac{11}{12}$
 (4) $\frac{11}{4}$



- 14) ABCD is a rectangle. Find $\angle CBG$.

- (1) 28°
 (2) 47°
 (3) 62°
 (4) 71°



- 15) Mary bought 8 boxes of chocolate and paid with a \$50 note. If she received change of \$16.80, how much did each ~~bar~~ box of chocolate cost?

- (1) \$2.10
 (2) \$4.15
 (3) \$8.35
 (4) \$33.20

16) The area of a square is 64 cm^2 . Find its perimeter.

- (1) 8 cm
- (2) 16 cm
- (3) 32 cm
- (4) 48 cm

17) What is 4 hours 50 minutes after 11 45 ?

- (1) 15 35
- (2) 15 45
- (3) 16 35
- (4) 16 45

18) The table shows the number of drinks a drink stall sold from Monday to Friday, in a particular week.

Day Of The Week	Number Of drinks sold
Monday	324
Tuesday	486
Wednesday	162
Thursday	648
Friday	81

On which day did the drink stall sell twice the number of drinks as Monday?

- (1) Tuesday
- (2) Wednesday
- (3) Thursday
- (4) Friday

- 19) A watch costs two times as much as a bag. Two similar watches and three similar bags cost \$693. What is the cost of a watch?
- (1) \$99
 - (2) \$138.60
 - (3) \$198
 - (4) \$277.20
- 20) Mimi collected some seashells. Nancy collected half of what Mimi had collected. Guthrie had a third of what Nancy had. There were a total of 120 seashells. How many seashells did Mimi collect?
- (1) 24
 - (2) 30
 - (3) 72
 - (4) 100

Section B (40 marks)

For each question, show your working clearly in the space below each question and write your answer in the answer boxes provided. Give your answers in the units stated. Questions 21 to 40 carry 2 marks each.

- 21) Form the biggest odd number with these numbers :

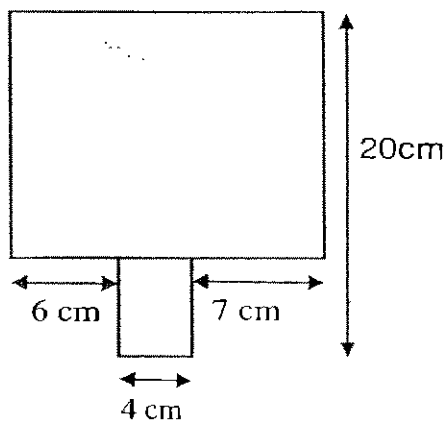
8, 7, 4, 9

- 22) There were 40 tiny cupcakes. Dave ate $\frac{1}{5}$ of it.

How many cupcakes were left?

- 23) Express 10 fifths in the simplest form.

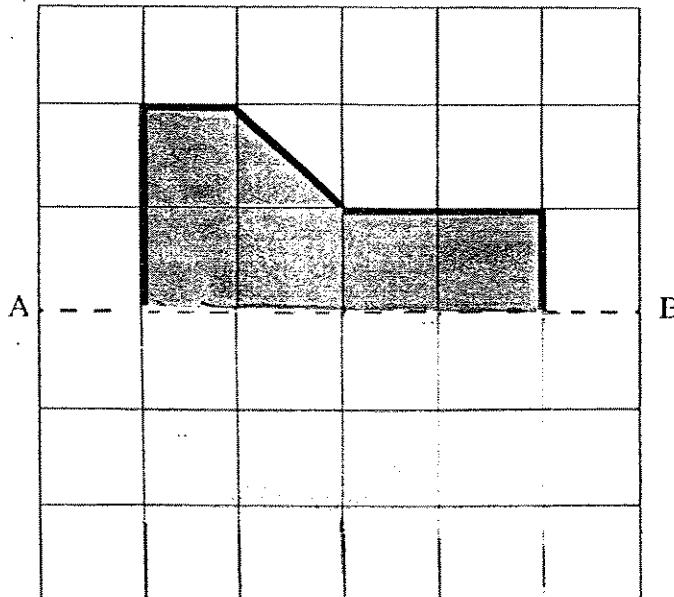
- 24) Find the perimeter of the figure.

 cm²

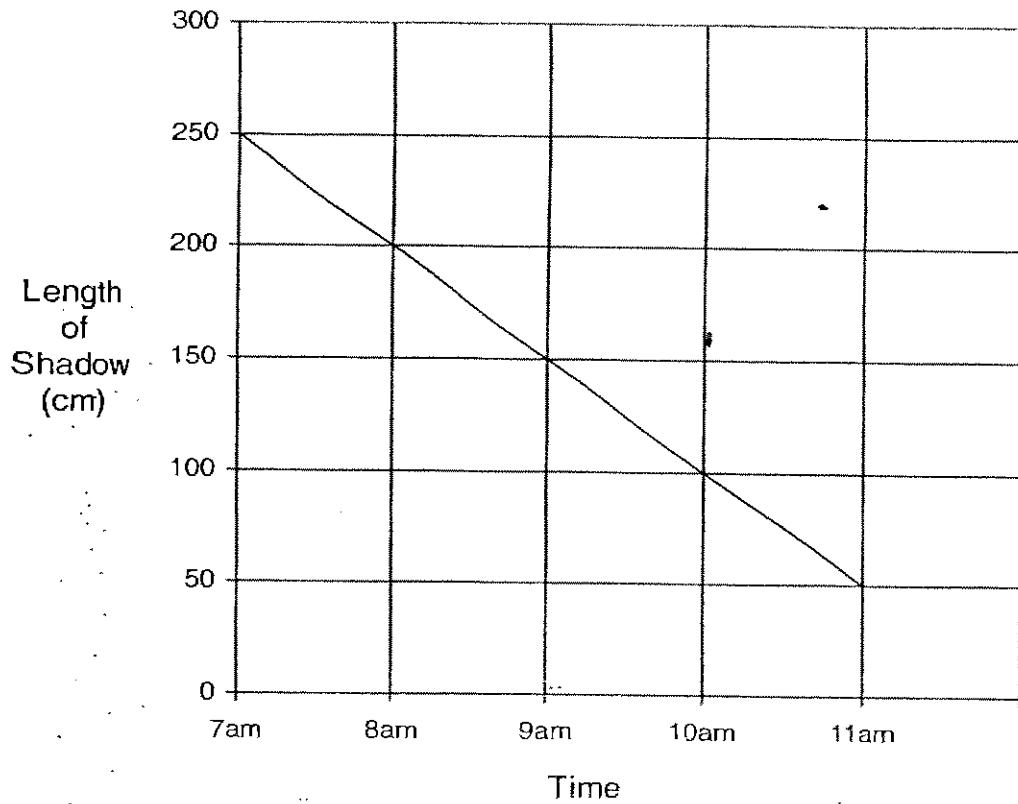
25) There are 854 pupils in a school.

What is the **least** number of groups that can be formed if each group has an equal number of pupils?
There must not be more than 9 pupils in each group.
No pupil should be left without a group.

26) Complete the symmetric figure below, with AB as the line of symmetry.



The line graph shows the length of a shadow of a tree from 7 a.m. to 11 a.m. Study it carefully and answer questions 27 and 28.



27) What was the time when the length of the shadow was 100 cm?

a.m.

28) What was the difference between the lengths of the shadow at 8 a.m. and 11 a.m. ?

cm

29) ☀ + 🎵 + 😊 = 34

☀ + 😊 = 18

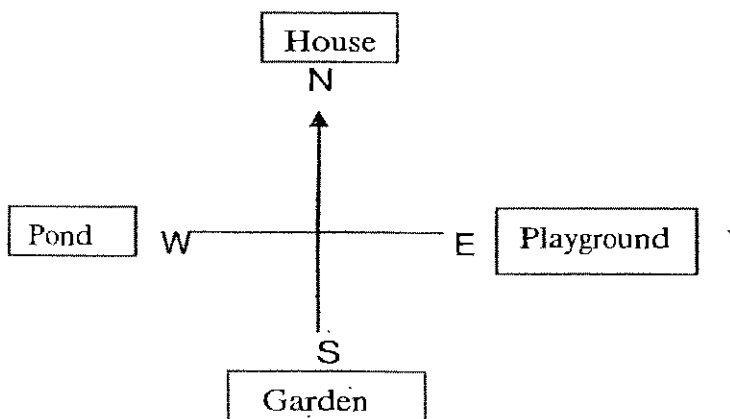
☀ + 😊 - 🎵 =

What is the missing number in the box?

- 30) There were 279 apples in a box. 23 apples had to be thrown away after they were found to be rotten. The rest of the remaining apples were repacked into 4 bags equally. How many apples were in each bag?

31) Find the value of $4\frac{1}{2} - 1\frac{2}{3}$

Use the diagram below to answer Questions 32 and 33.



32) Andrew is facing North. If he were to make $\frac{1}{4}$ -turn anti-clockwise, where would he be facing?

33) If Andrew is now facing the garden, how many $\frac{1}{4}$ -turns clockwise must he make to face the playground?

34) Annie and Elaine have a total mass of 110.4kg. Elaine is 3 kg lighter than Annie. What is Elaine's mass?

35) The length of 1 rope is 53.37m. What is the length of 4 similar ropes?

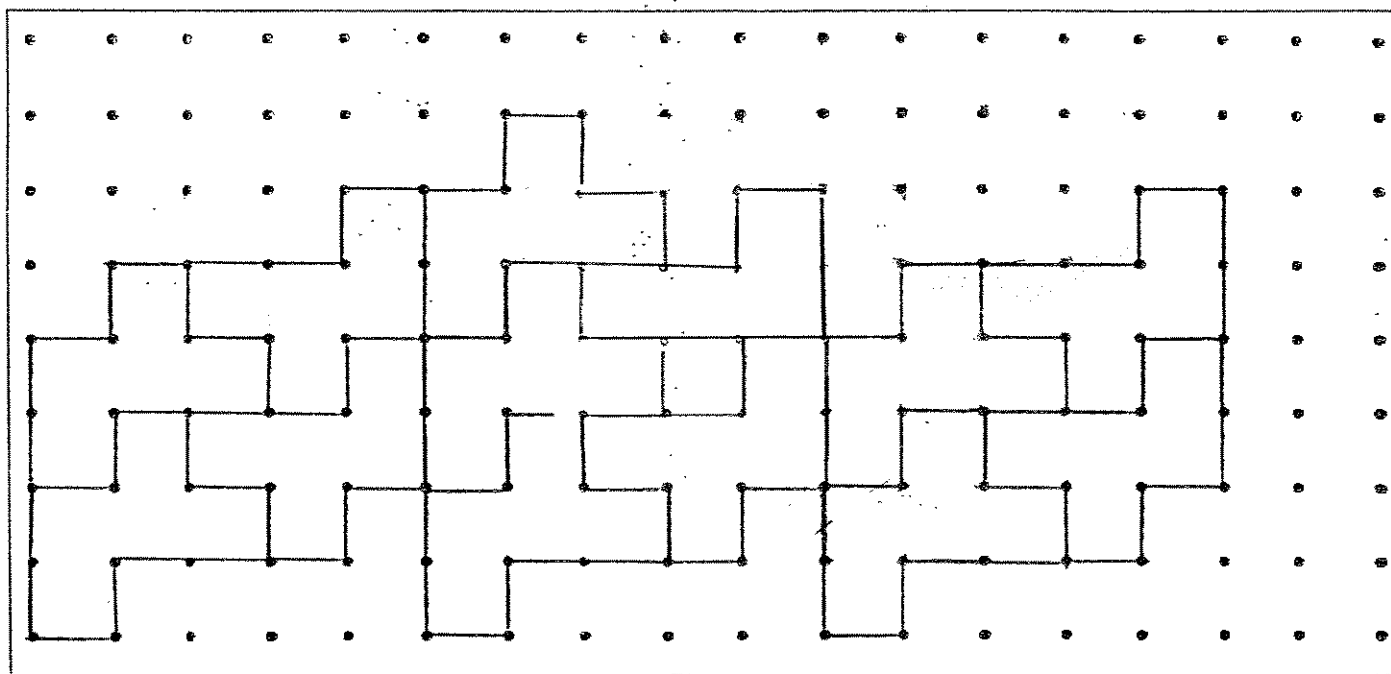
36) 3kg of longans cost \$5.10. What is the cost of 9kg of longans?

\$

37) The Koh family watched a musical which ended at 2215 on Saturday night. The musical lasted $3\frac{1}{2}$ hours. At what time did the musical begin?

p.m.

- 38) The pattern in the box shows part of a tessellation.
 (a) Shade a unit shape of the tessellation given. (1m)
 (b) Extend the tessellation by drawing 2 more unit shapes in the space provided in the box. (1m)



39) Cay has 13 less beads than Betty.

Betty has four times as many as Anna.

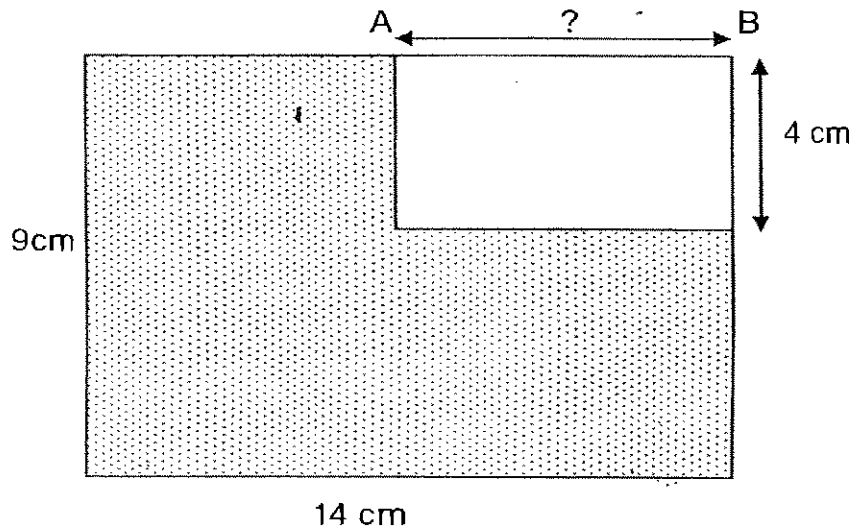
Anna has 290 beads. How many beads does Cay have?

40 Philip earned \$0.10 for every newspaper he sold. He earned an extra of \$2.50 for every 100 copies of newspaper sold. How much did he earn if he sold 100 copies of newspaper?

Section C (5 x 4 marks)

For questions 41 to 45, show your working clearly in the space below each question and write your answers in the blanks provided. The marks for each question are given in the brackets.

- 41) The figure below is made up of two rectangles. Area of the shaded part is 98 cm^2 .
Find the length of AB if the breadth is 4 cm. (Not drawn to scale)



Ans: _____ (4 marks)

- 42) Peter scored a total of 4311 points in three games.
In the second game, he scored 3 times as many points as the first game.
In the third game, he did badly and scored half of the first game's points.
- a) How many points did he score in the third game?
 - b) What was the highest score?

Ans: a) _____ (2 marks)

b) _____ (2 marks)

- 43) There is a total of 71 cars and motorcycles. There are 250 wheels altogether.
- a) How many cars are there?
 - b) How many more cars than motorcycles are there?

Ans: a) _____ (2 marks)

b) _____ (2 marks)

- 44) Stick A is 3.2m longer than Stick B. Stick C is twice as long as Stick A. If Stick C is 18m longer than Stick B, what is the total length of all 3 sticks?

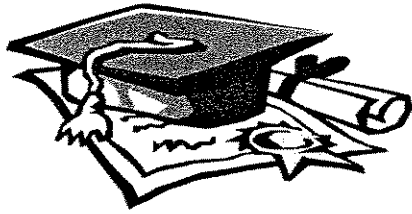
Ans: _____ (4 marks)

- 45) Peter and Agnes had the same amount of orange juice at first. When Agnes served her guests with 16.28 litres of her orange juice, Peter had 5 times as much orange juice as Agnes. How much orange juice did Agnes have at first?

Ans: _____ (4 marks)

~END OF PAPER~

Have you checked your work thoroughly?

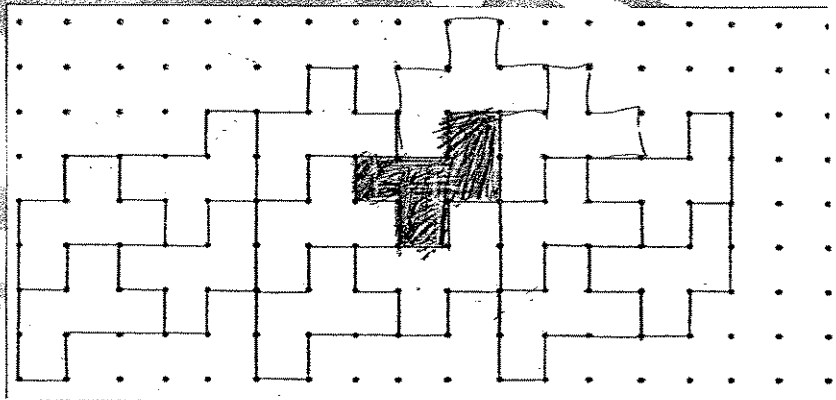


ANSWER SHEET

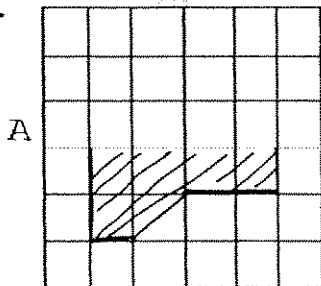
ROSYTH PRIMARY SCHOOL - PRIMARY 4 MATHEMATICS 2007
SEMESTRAL ASSESSMENT (2)

- 1. 4
- 2. 3
- 3. 1
- 4. 3
- 5. 2
- 6. 4
- 7. 4
- 8. 1
- 9. 1
- 10. 2
- 11. 3
- 12. 1
- 13. 4
- 14. 1
- 15. 2
- 16. 3
- 17. 3
- 18. 3
- 19. 3
- 20. 3
- 21. 9847
- 22. 32
- 23. 2
- 24. 74cm
- 25. 122
- 26.

- 27) 10 a.m.
- 28) 150cm
- 29) 2
- 30) 64
- 31) $2\frac{5}{6}$
- 32) Pond
- 33) 3
- 34) 53.7kg
- 35) 213.48m
- 36) \$15.30
- 37) 6.45pm
- 38)



- 27) 10 a.m.
- 28) 150cm
- 29) 2
- 30) 64
- 31) $2\frac{5}{6}$
- 32) Pond
- 33) 3
- 34) 53.7kg
- 35) 213.48m
- 36) \$15.30
- 37) 6.45pm
- 38)
- 39) 1147
- 40) \$12.50



41) $14 \times 9 = 126$

$126 - 98 = 28$

$28 \div 4 = 7 \text{ cm}$

The length is 7 cm

42) a) $4311 \div 9 = 479$

He scored 479 in the third game.

b) $479 \times 6 = 2874$

The highest score is 2874

43) a) There are 54 cars.

b) There are 37 more cars than motorcycles.

44) $18 - 3.2 = 14.8$

$14.8 \times 4 = 59.2$

$59.2 - 3.2 = 56$

The total length is 56

45) $16.28 \div 4 = 4.07$

$16.28 + 4.07 = 20.35$

Agnes had 20.35 litres of orange juice at first.



RAFFLES GIRLS' PRIMARY SCHOOL

SEMESTRAL ASSESSMENT 2 2007

Name : _____ () Class: P4

24 Oct 2007 MATHEMATICS

Att: 1 h 45 min

SECTION A (25 marks)

Question 1 to 5 carry 1 mark each. Question 6 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. In 69 735, the digit 6 is in the _____ place.

- (1) tens
 (2) hundreds
 (3) thousands
 (4) ten thousands

()

2. 9099 rounded off to the nearest ten is _____.

- (1) 9 000
 (2) 9 090
 (3) 9 100
 (4) 10 000

()

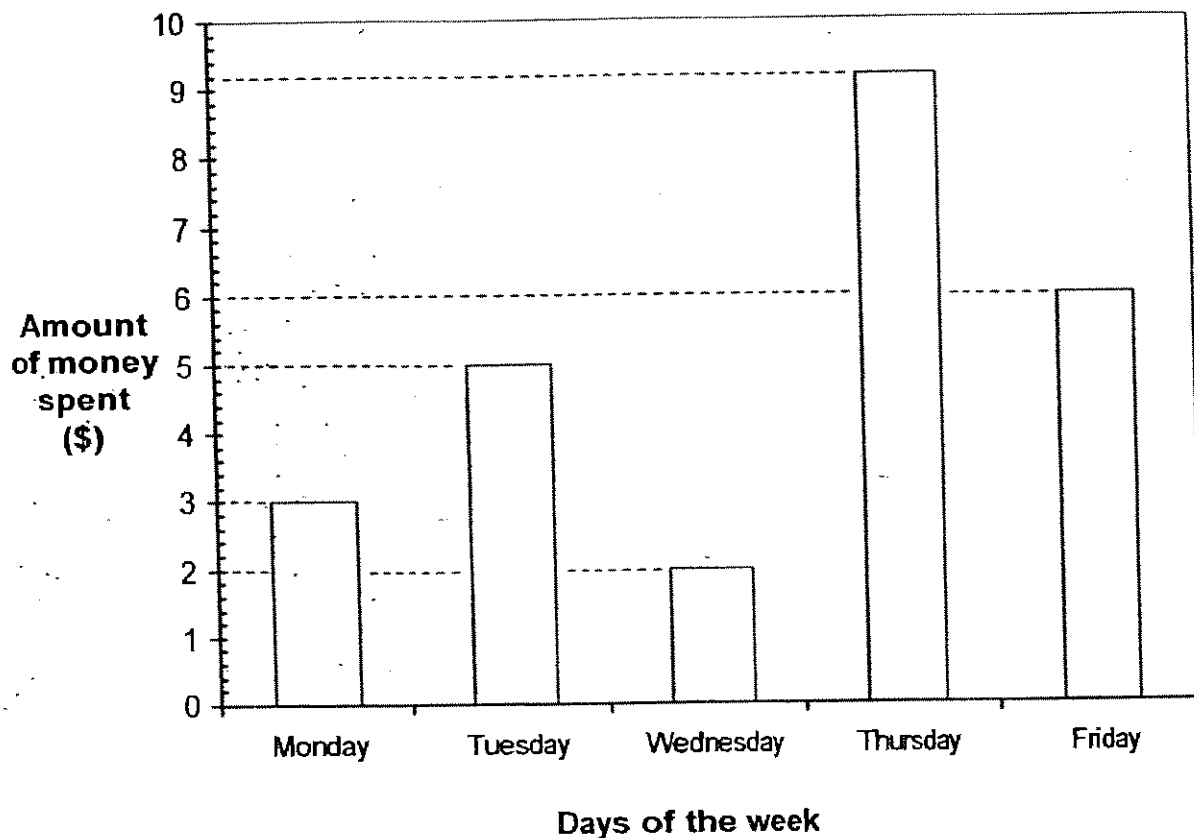
3. Leon reached the library at 1415.
 He stayed there for 1 hour 45 minutes.
 At what time did he leave the library?

- (1) 1230
 (2) 1500
 (3) 1550
 (4) 1600

455
 ()

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

The following graph shows the amount of money spent by Peter from Monday to Friday.
Study it carefully and answer Questions 4 and 5.



4. How much ^{more} money did Peter spend on Thursday than on Tuesday?

- (1) \$4.00
- (2) \$4.10
- (3) \$4.20
- (4) \$4.30

()

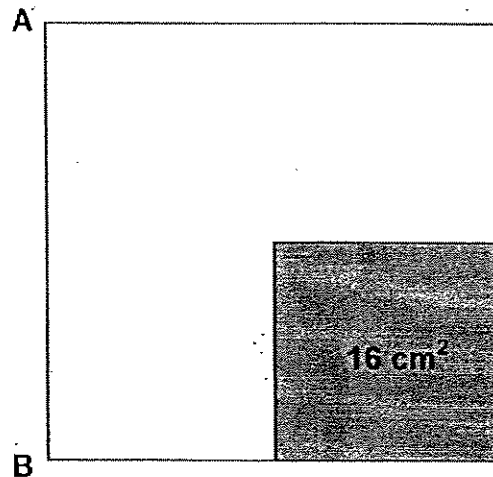
5. If Peter's weekly allowance is \$30, how much money did he save for the week?

- (1) \$4.70
- (2) \$4.80
- (3) \$4.90
- (4) \$5.00

456

()

6. The figure below is made up of 2 squares.
 The area of the shaded part is 16 cm^2 .
 Given that the area of the bigger square is 4 times the area of the smaller square, find the length of AB.



- ~~(1)~~ 8 cm
~~(2)~~ 16 cm
~~(3)~~ 24 cm
~~(4)~~ 32 cm

()

7. Jaime had \$2.95 in her wallet.
 Which of the following options gives the correct number of 20-cent and 5-cent coins she can have?

- ~~(1)~~ 10 20-cent and 95 5-cent coins
~~(2)~~ 14 20-cent and 1 5-cent coins
~~(3)~~ 14 20-cent and 3 5-cent coins
~~(4)~~ 14 20-cent and 15 5-cent coins

()

8. Which one of the following fractions is not equivalent to $\frac{3}{4}$

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

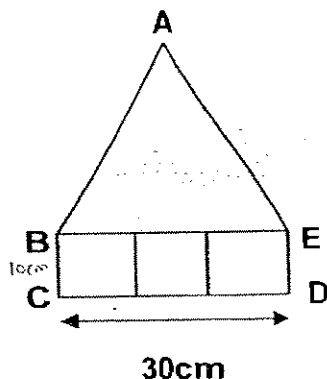
~~(2)~~ $\frac{9}{12}$

~~(3)~~ $\frac{12}{15}$

(4) $\frac{15}{20}$

()

9. ABCDE below is made up of an equilateral triangle and 3 similar squares.
Given that CD is 30cm, what is the perimeter of the figure?



~~(1)~~ 60 cm

~~(2)~~ 80 cm

~~(3)~~ 110 cm

(4) 150 cm

()

10. How many sixths are there in $3\frac{1}{2}$?

~~(1)~~ 7

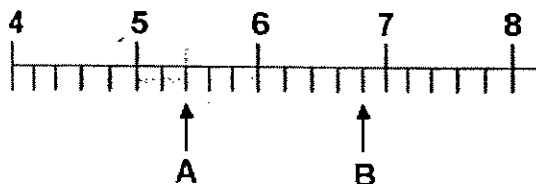
~~(2)~~ 14

~~(3)~~ 21

(4) 28

(458)

11. Which of the following answer is the correct estimate for the product of A and B?



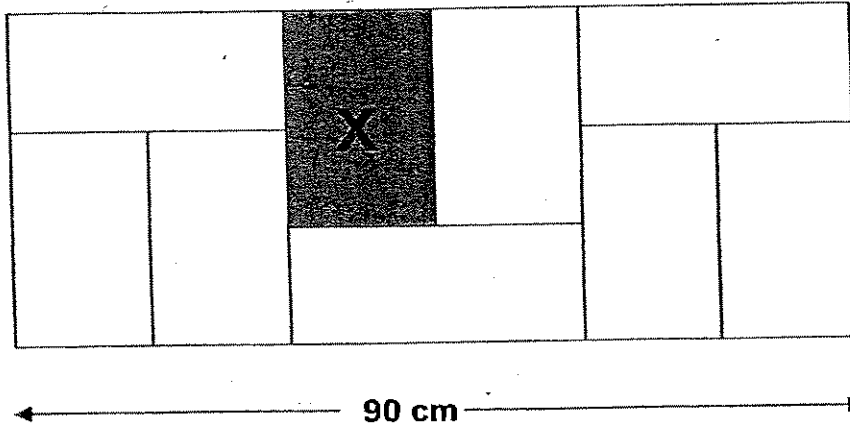
- (1) $6 \times 7 = 42$
 (2) $5 \times 7 = 35$
 (3) $5 \times 6 = 30$
 (4) $6 \times 6 = 36$
- ()
12. When a number is divided by 8, the quotient is 120 and the remainder is 4.
 What is this number?

- (1) 928
 (2) 960
 (3) 964
 (4) 992
- ()

13. Ariel had \$60.
 She spent \$23.55 on a pair of shoes and \$17.35 on a pair of glasses.
 How much money had she left?

- (1) \$19.10
 (2) \$36.45
 (3) \$40.90
 (4) \$42.65
- ()

14. The figure below is made up of 9 identical rectangles.
Find the shaded area marked X.



- (1) 180 cm²
 (2) 360 cm²
 (3) 450 cm²
 (4) 648 cm²
- ()
15. Mary is 5 years 2 months. Her brother is 2 years 2 months. How many months older is Mary than her brother?

- (1) 22 months
 (2) 24 months
 (3) 36 months
 (4) 88 months
- ()

END OF SECTION A

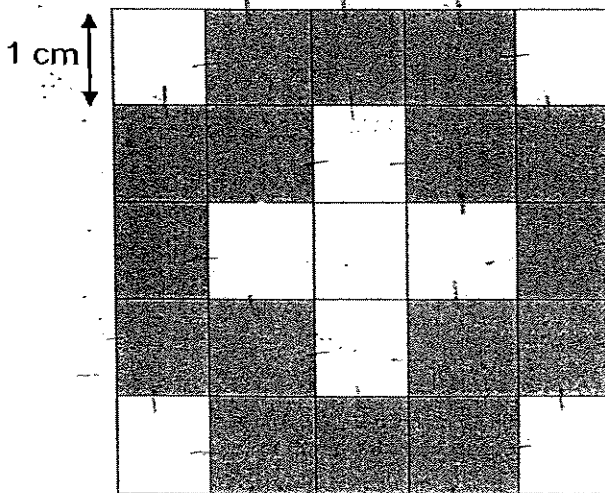
SECTION B (40 marks)

Question 16 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 must be expressed in the simplest form. Marks will be awarded for relevant working.

16. Find the value of 31×700

Ans: _____

17. The figure below is made up of identical squares.
Find the perimeter of the shaded region.



Ans: _____ cm

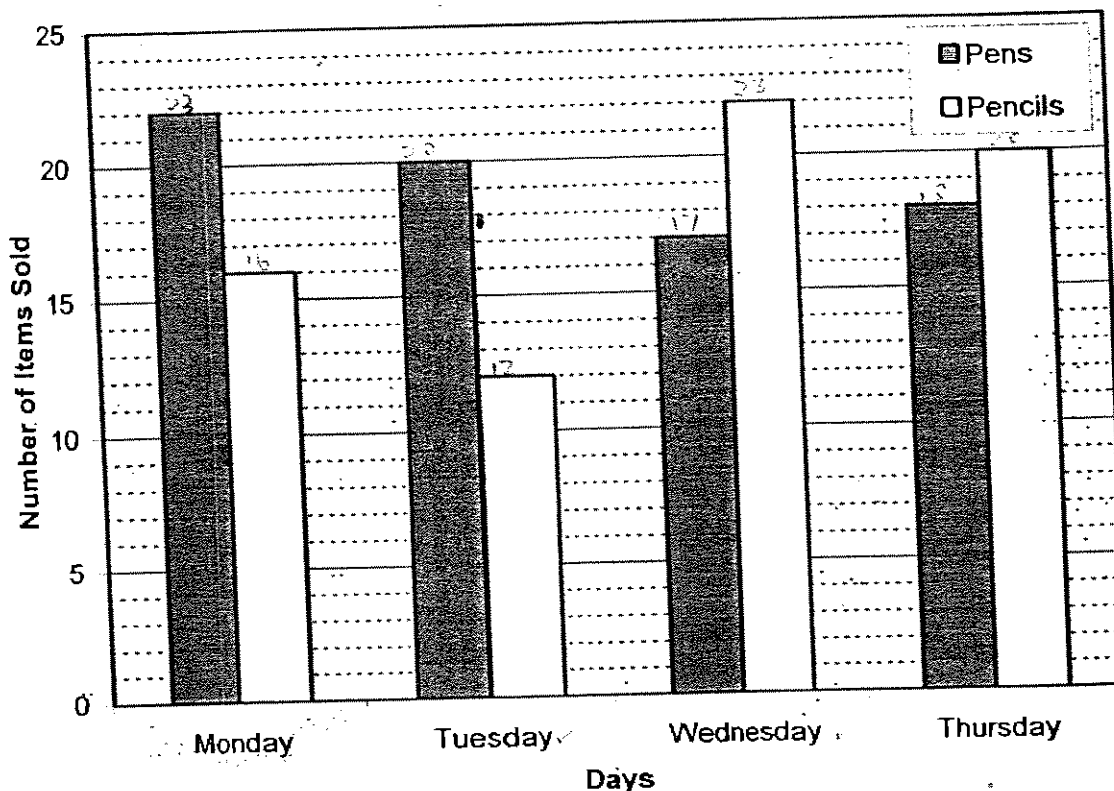
18. A 5-litre container is $\frac{3}{10}$ full of water.

How much **more** water will be needed to fill up the container completely?

(Express your answer in millilitres)

Ans: _____ ml

The following graph shows the number of pens and pencils Mary sold from Monday to Thursday. Each pen costs \$2.50 and each pencil costs \$1.00. Study it carefully and answer Questions 19 and 20.



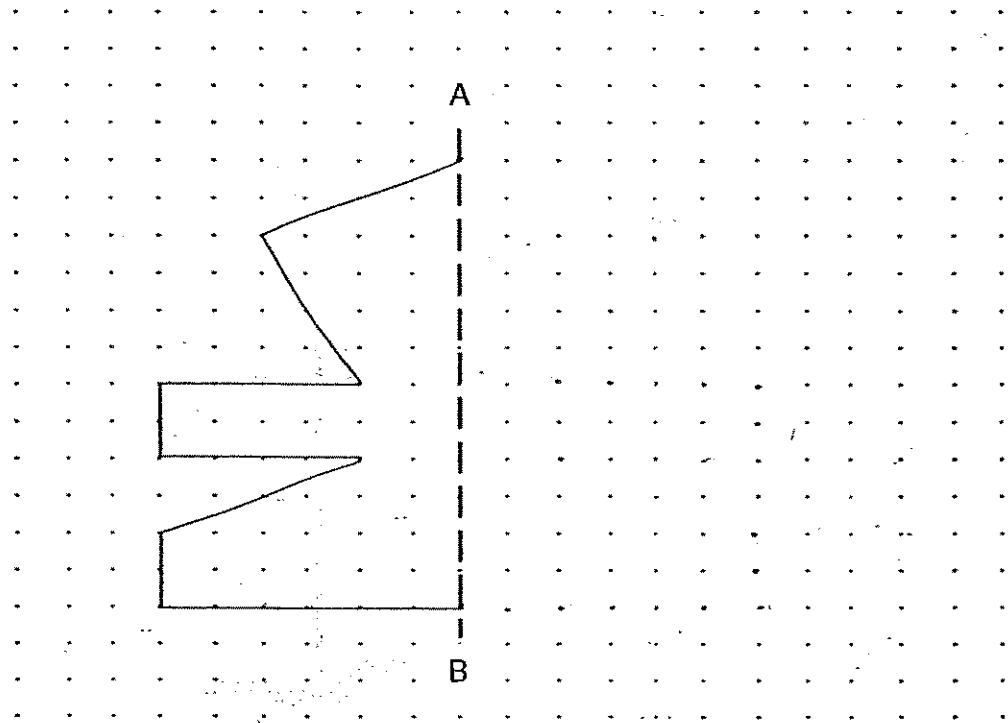
19. How many more pencils did Mary sell on Wednesday as compared to Tuesday?

Ans: _____

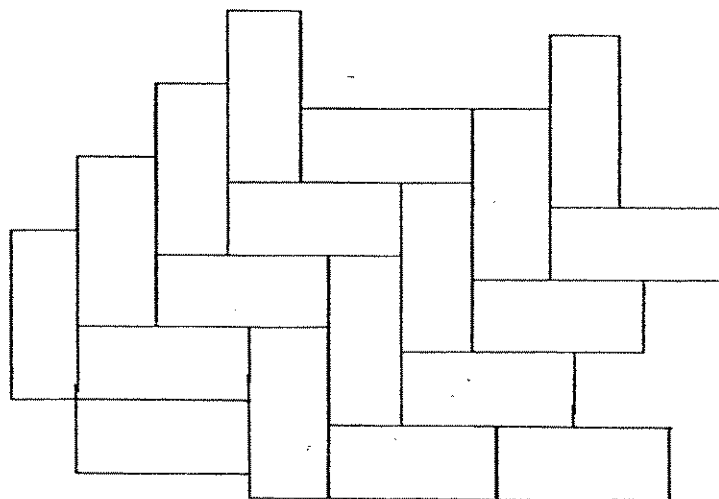
20. Mary earns \$60 on Friday. Given that she had sold 20 pens, how many pencils did she sell on that day?

Ans: 462

21. The figure below is an incomplete symmetric figure. The dotted line AB is the line of symmetry. Complete the figure by tracing it on the square grids.



22. Study the tessellation below. Shade the two unit shapes that are tessellated wrongly.



23. Four numbers are given below.

Find the difference between the largest and smallest number.

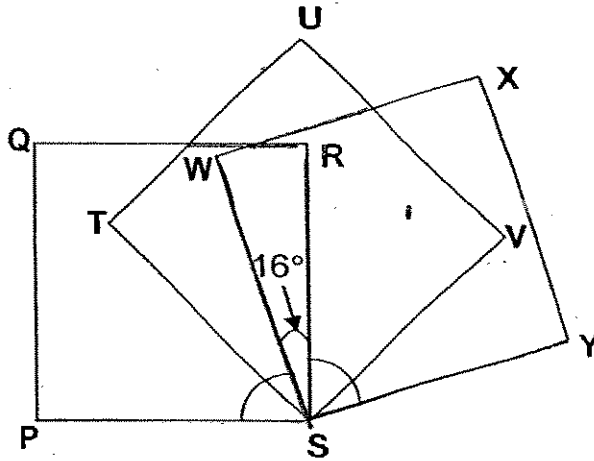
$$5.49 \quad 5\frac{4}{10} \quad 5\frac{9}{1000} \quad 5.409$$

Ans: _____

24. Write the numeral for 5 tens 20 ones and 6 hundredths.

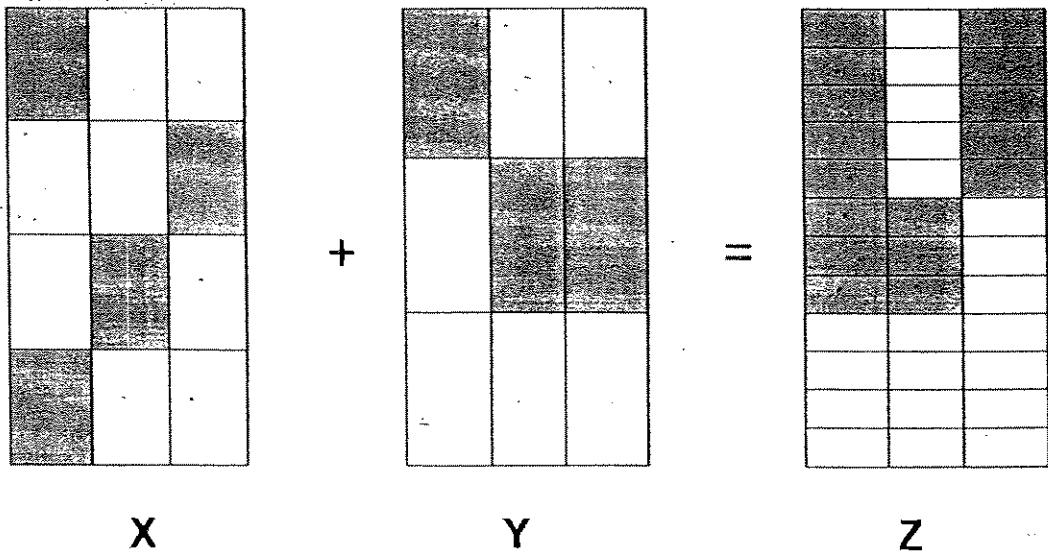
Ans: _____

25. The figure below shows three identical squares PQRS, STUV, and SWXY. Find the sum of $\angle RSY$ and $\angle WSP$.



Ans: _____°

26. Three identical rectangles (Figures X, Y and Z) are each divided into equal parts as shown below. The shaded parts represent a fraction for each figure.



How many **more** rectangles in Figure Z must be shaded to show the sum of the fractions represented by Figures X and Y?

Ans: _____ 465

27. Add 3445 to 1644. Round off the answer to the nearest tens.

Ans: _____

28. I am a number between 10 and 20.
I am also a multiple of 4.
When I am divided by 5, the remainder is 1.
What number am I?

Ans: _____

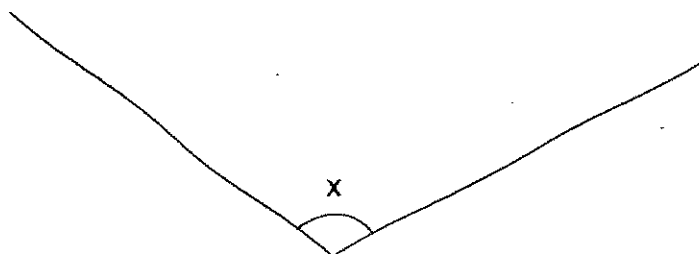
29. 4 similar marbles have a total mass of 48 g.
2 similar pebbles have a total mass of 32 g.
What is the total mass of 80 such marbles and 4 such pebbles?

Ans: _____ 9

30. Gabriel worked for 5 days last week.
Each day, she worked for $5\frac{1}{2}$ hours.
How many hours did she work altogether ?

Ans: _____ 466 hr

31. Measure $\angle x$. Write the answer in the blank provided.

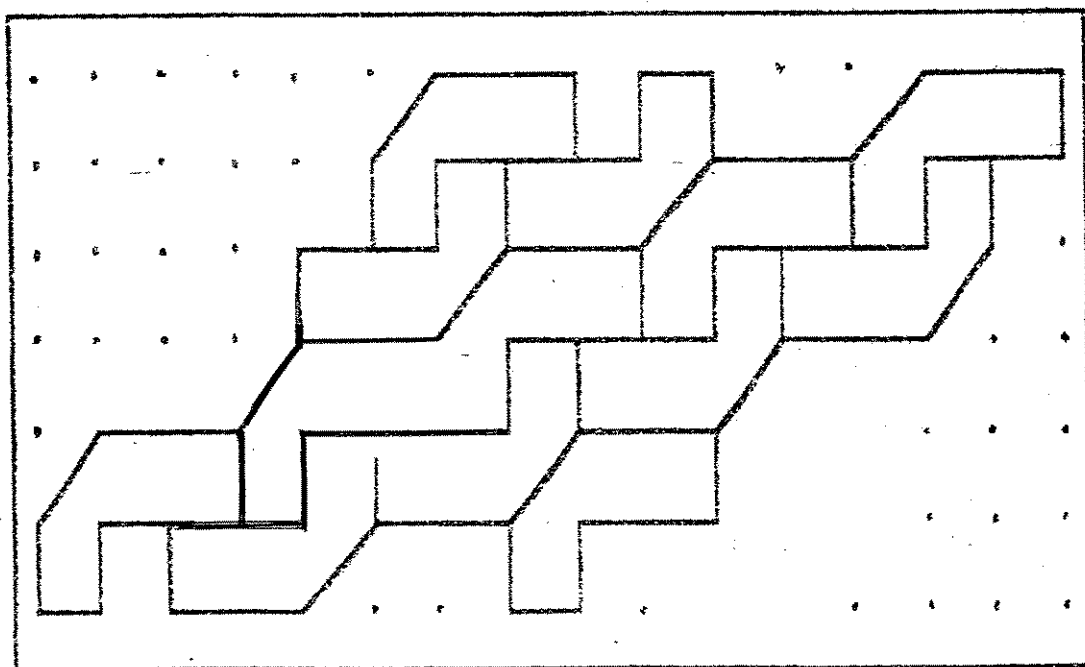


Ans: _____^o

32. Find the value of 2.809×4 .
Round off the answer to 2 decimal places.

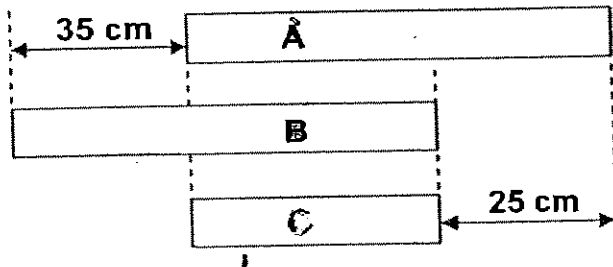
Ans: _____

33. The pattern in the box shows part of a tessellation.



- a) Shade a unit shape in the tessellation. [1m]
- b) Extend the tessellation by drawing 2 more unit shapes in the space provided inside the box. [1m]

34. The diagram below shows 3 bars, A, B and C
Given that the total length of the 3 bars is 210cm, find the length of bar C.



Ans: _____ cm

35. Gabby wanted to buy 5 bookmarks and she needed \$2.60 more.
She decided to buy 2 bookmarks instead and had \$4.30 left.
Find the cost of a bookmark.

Ans: \$ _____

Name: _____ () Class: P4 _____

SECTION C (35 marks)

For question 36 to 44, 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.

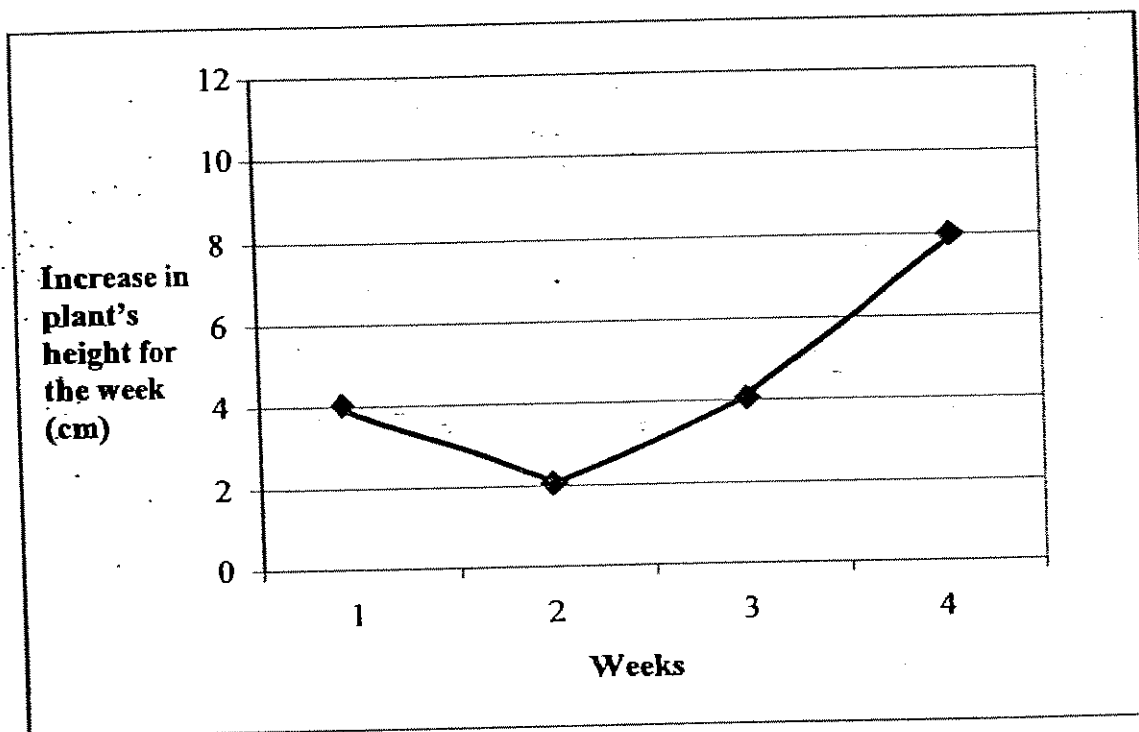
36. Sonny has 5 times as many stamps as Roy.
They have 1500 stamps altogether.
How many more stamps does Sonny have than Roy?

Ans: _____ [3]

37. Siti bought a plant that was 20 cm tall.

On 5 Sunday evenings, she measured the height of the plant and recorded its height increase for the week.

The bar graph below shows her records for the first 4 weeks.



(a) In which week was the increased in the plant's height the most?

(b) If the height of the plant on Week 5 was 40 cm, what was the increase in the height of the plant from Week 4 to Week 5?

Ans: (a) _____ [1]

(b) _____ [2]

38. Mrs Li bought $11\frac{1}{2}$ litres of orange juice.
She poured the orange juice equally into 4 containers.
There was 1.3 litres of juice left.
How many litres of juice was there in each container?

Ans: _____ [3]

39. Mary spent $\frac{1}{5}$ of her money on food and $\frac{3}{8}$ of the remaining money on a pen.
After that, she was left with \$2.50.
- (a) How much money did she have at first?
- (b) Later, Mary bought another similar pen.
How much money had she left now?

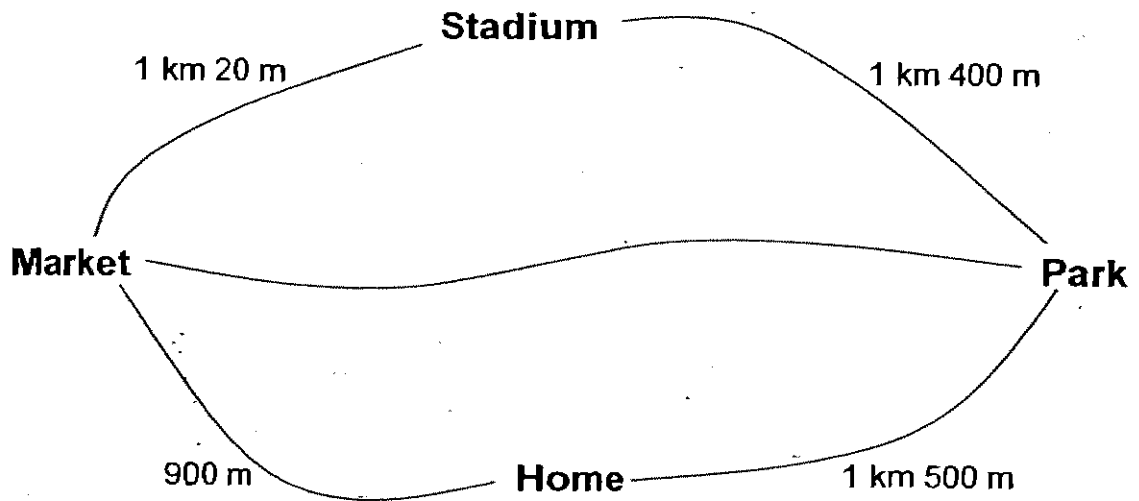
Ans: (a) _____ [2]

(b) _____ [2]

40. Three similar fans, a wall clock and a vacuum cleaner cost \$488 altogether. The cost of each fan is \$12 more than the wall clock. Given that the wall clock cost \$78, what is the cost of the vacuum cleaner?

Ans: _____ [4]

41. The diagram below shows the distance between 4 different places.
The distance from the market to a park is 3 times as far as from the market to the stadium.



- (a) Find the distance between the market and the park.
(Express your answer in kilometres)
- (b) Lionel cycles from the stadium to the park.
From the park, he cycles to the market before going home.
What is the total distance that Lionel had cycled?

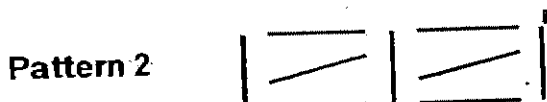
Ans: (a) _____ 473 [2]

(b) _____ [2]

42. Devi used 5 toothpicks to form a design as shown in Pattern 1 below.



She continued forming Pattern 2 and Pattern 3 in the following way.

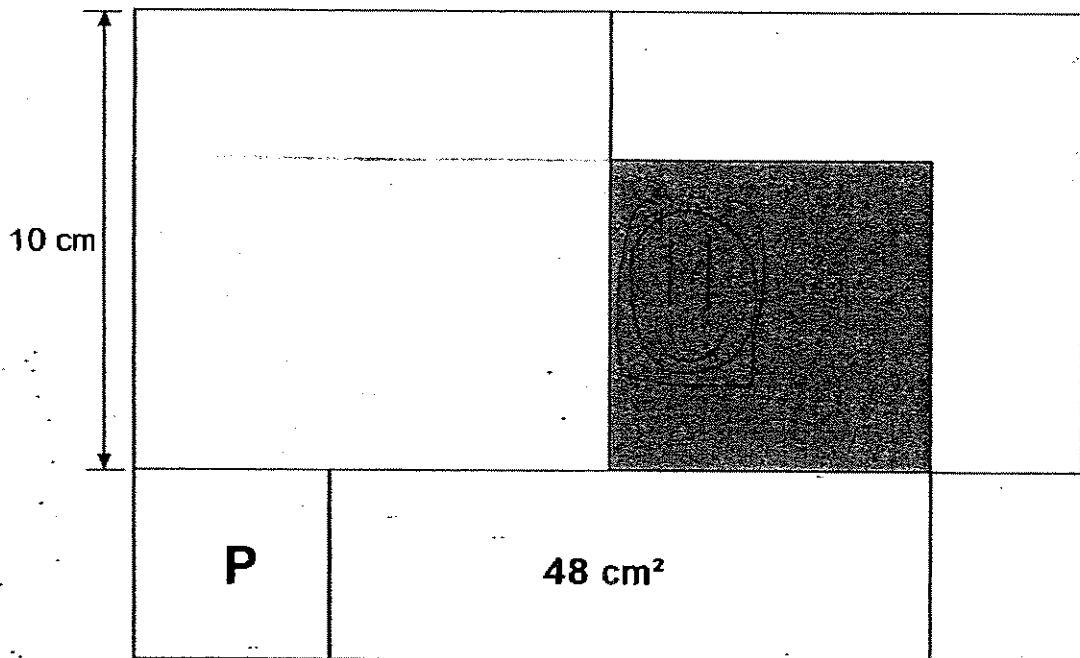


- a) Complete the table below by filling in the number of toothpicks for Pattern 4 and 5.

Pattern No.	1	2	3	4	5
No. of Toothpicks	5	9	13		

- b) Which Pattern number was Devi forming if she used 321 toothpicks to form the pattern?

43. The figure below is made up of 2 big squares, 1 medium square, 1 small square and a rectangle



- (a) Given that the area of the rectangle is 3 times the area of square P.
Find the area of square P.
- (b) The shaded region of the figure is a square.
Find the perimeter of the shaded region.

Ans: (a) _____⁴⁷⁵[1]

(b) _____[3]

At first, Ali and John had some marbles and David did not have any marbles.
 44. ~~Three boys Ali, John and David have some marbles.~~

After Ali gave $\frac{2}{5}$ of his marbles to David and John gave $\frac{1}{4}$ of his marbles to David, the three boys ^{now} have the same number of marbles.

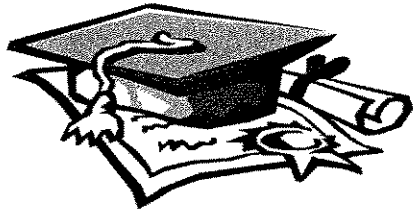
(a) Given that Ali ^{have} has 100 marbles at first, how many marbles ^{did} does John have at first?

(b) During a game, David lost half the number of marbles to Mary. Ali and John each decided to give the same number of marbles to David so that the 3 of them have an equal number of marbles again. What fraction of the marbles did Ali and John each give to David?

Ans: (a) _____ [3]

(b) _____ [2]

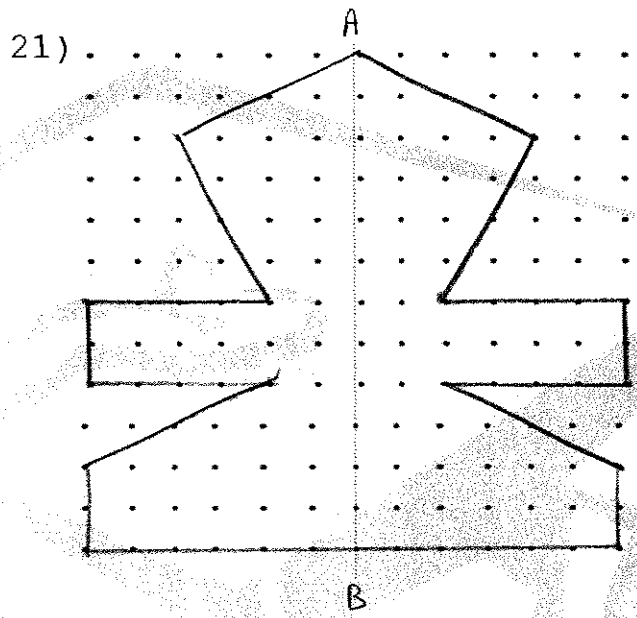
-End of Paper-
Please check your work carefully ☺



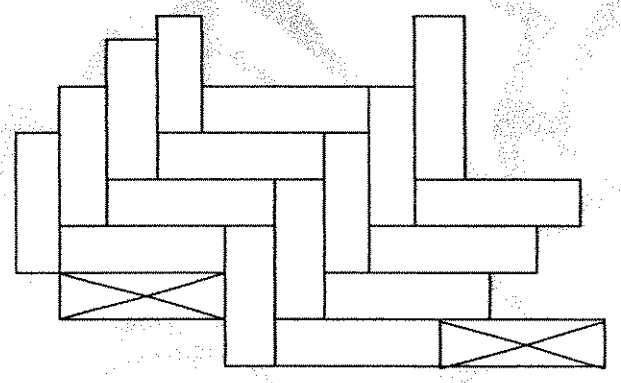
ANSWER SHEET

RAFFLES GIRLS' PRIMARY SCHOOL - PRIMARY 4 MATHEMATICS 2007
SEMESTRAL ASSESSMENT (2)

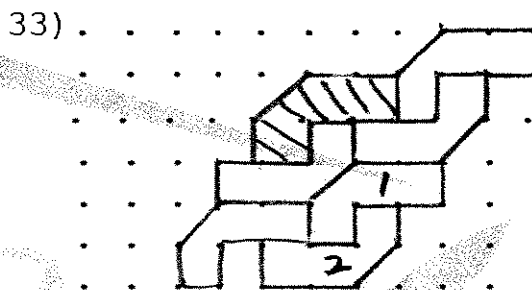
- 1. 4
- 2. 3
- 3. 4
- 4. 3
- 5. 2
- 6. 1
- 7. 3
- 8. 3
- 9. 3
- 10. 3
- 11. 2
- 12. 3
- 13. 1
- 14. 3
- 15. 3
- 16. 21700
- 17. 32cm
- 18. 3500ml
- 19. 10 pencils
- 20. 10 pencils



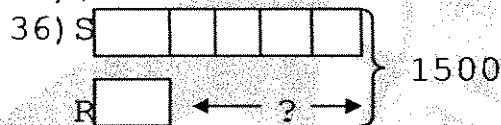
22)



- 23) 0.481
- 24) 70.06
- 25) 148°
- 26) 8 more rectangles
- 27) 5090
- 28) 16
- 29) 1024g
- 30) $27 \frac{1}{2} h$
- 31) 114°
- 32) 11.24



- 34) 50cm
- 35) \$2.30



$1500 \div 6 = 250$
 $250 \times 4 = 1000$
 Sonny has 1000 more stamps than Roy.

- 37) a) The increased in the plant's height the most in on the 4th week.
 $40 - 20 - 4 - 2 - 4 - 8 = 2\text{cm}$
- b) The increased in height is 2 cm.

38) $1.3 = 1\frac{3}{10}$ $11\frac{1}{2} = 11\frac{5}{10}$
 $11\frac{5}{10} - 1\frac{3}{10} = 10\frac{2}{10}$
 $= 10.2$
 $10.2 \div 4 = 2.55$

There was 2.55L of juice in each container.

39) a) $\$2.50 \div 5 = \0.50
 $50 \times 8 = 400$
 $400 \div 4 = 100$
 $100 \times 5 = 500$

She had \$5 at first

b) $50 \times 2 = 100$
 She had \$1 left now.

$$40) \$78 + \$12 = \$90$$

$$\$90 \times 3 = \$270$$

$$\$270 + \$78 = \$348$$

$$\$488 - \$348 = \$140$$

The cost of the vacuum cleaner is \$140.

$$41) a) 1\text{km } 20\text{m} \times 3 = 3\text{km } 60\text{m}$$

$$3\text{km } 60\text{m} = 3.06\text{km}$$

The distance is 3.06km

$$b) 1\text{km } 400\text{m} + 3\text{km } 60\text{m} + 900\text{m} = 5\text{km } 360\text{m}$$

The total distance is 5km 360m

$$42) a) 17, 21$$

$$b) 321 - 1 = 320$$

$$320 \div 4 = 80$$

Devi was farming pattern 80.

$$43) a) 48\text{cm}^2 \div 3 = 16\text{cm}^2$$

The shaded region is 16cm²

$$b) 16\text{cm}^2 \div 4\text{cm} = 4\text{cm}$$

$$48\text{cm}^2 \div 4\text{cm} = 4\text{cm}$$

$$10\text{cm} - 4\text{cm} = 6\text{cm}$$

$$12\text{cm} - 6\text{cm} = 6\text{cm}$$

$$6\text{cm} \times 4 = 24\text{cm}$$

The perimeter of the shaded region 24cm.

$$44) a) 100 \div 5 = 20$$

$$20 \times 4 = 80$$

John had 80 marbles at first.

$$b) 20 \times 3 = 60$$

$$60 \div 2 = 30$$

$$30 \div 3 = 10$$

$$10/60 = 1/6$$

Ali and John each give David 1/6 marbles.

Pei Chun Public School
Semestral Assessment 2 – 2007
Mathematics
Primary 4

Booklet A

Name: _____ ()

Date: 25 October 2007

Class: Primary 4 ____

Time: 2 h

Maths Teacher: _____

Questions 1 to 12 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) and write its number in the brackets provided. (24 marks)

1. In 80 079, the digit 8 is in the _____ place.

- (1) tens
- (2) hundreds
- (3) thousands
- (4) ten thousands

()

2. Which of the following figures has perpendicular lines?



()

3. _____ is 6000 when rounded off to the nearest hundred.

(1) 6105

(2) 6045

(3) 5949

(4) 5899

()

4. The first 2 common multiples of 6 and 8 are _____.

(1) 1 and 2

(2) 16 and 24

(3) 24 and 48

(4) 48 and 96

()

5. $\frac{30}{5} \times 4 = \square$

The fraction in the box is _____.

(1) $\frac{12}{5}$

(2) $\frac{120}{5}$

(3) $\frac{30}{20}$

(4) $\frac{120}{20}$

()

6. Express $3\frac{1}{25}$ as a decimal.

(1) 3.1

(2) 3.4

(3) 3.04

(4) 3.25

() 482

7. 1 thousandth more than 9.989 is _____.

- (1) 9.99
- (2) 9.999
- (3) 10
- (4) 10.089 ()

8. A movie lasting 2 h 35 min ended at 01 00. At what time did it start?
Give your answer in 24-hour time.

- (1) 10.25 a.m.
- (2) 10.25 p.m.
- (3) 10 25
- (4) 22 25 ()

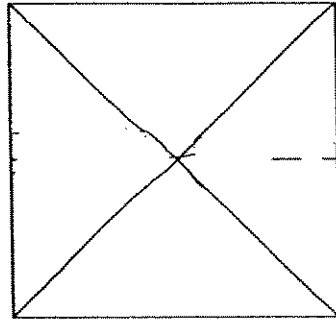
9. When I am divided by 12, the quotient is 371 with a remainder of 11.
What number am I?

- (1) 1124
- (2) 4441
- (3) 4452
- (4) 4463 ()

10. At a party, there were 36 more children than adults. $\frac{1}{4}$ of the guests were adults.
How many adults were there?

- (1) 9
- (2) 12
- (3) 18
- (4) 54 ()

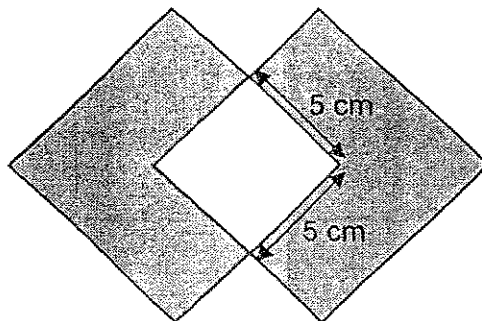
11. How many right angles are there in this figure?



- (1) 18
- (2) 12
- (3) 8
- (4) 4

()

12. Two identical squares of side 9 cm are arranged as shown in the figure below.



What is the total area of the shaded parts?

- (1) 25 cm²
- (2) 112 cm²
- (3) 137 cm²
- (4) 162 cm²

()

13. Refer to Booklet K.

14. Refer to Booklet K.

15. Refer to Booklet K.

End of Booklet A

Pei Chun Public School
Semestral Assessment 2 – 2007
Mathematics
Primary 4

Booklet B

Name : _____ ()

Marks :

Class : Primary 4 _____

Date : 25 October 2007

Time : 2 h

Maths Teacher : _____

Parent's Signature : _____

Booklet A	24
Booklet B	56
Booklet K	20
TOTAL	100

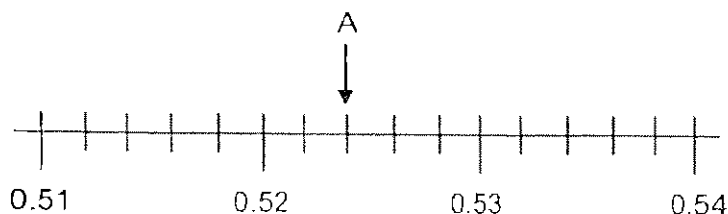
Questions 16 to 25 carry 1 mark each. Write your answers in the spaces provided.
For questions which require units, give your answers in the units stated.

(10 marks)

Do not write
in this space

16. Write 98 040 in words.

17. What value does the letter A represent?



Ans : _____

SCORE 485

18. Complete the following pattern:

53, 58, 68, 83, _____, 128

Ans : _____

19. There are _____ halves in $3\frac{2}{4}$.

Ans : _____

20. The duration from 21 35 on Sunday to 00 25 on Monday is _____.

Ans : _____ h _____ min

21. Express 6.08 as a mixed number in the simplest form.

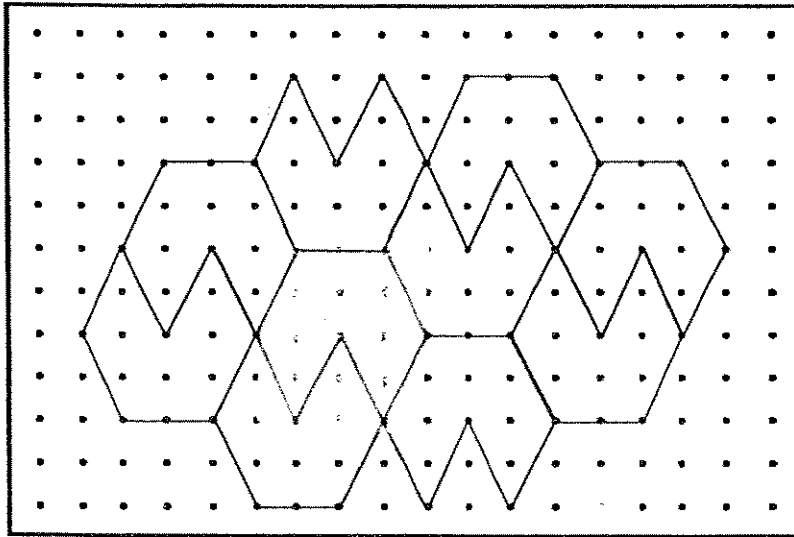
Ans : _____

Do not write
in this space

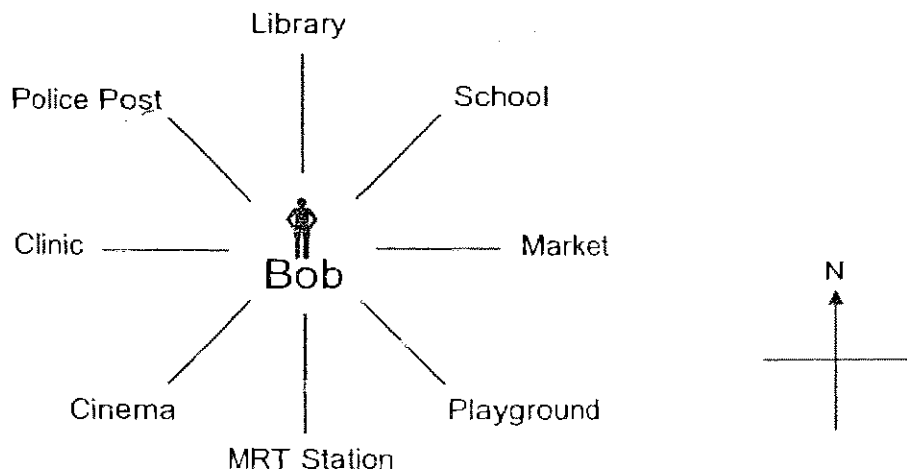
SCORE

22. Shade a unit shape of the tessellation.

Do not write in this space



23. The diagram below shows some places in Bob's neighbourhood.



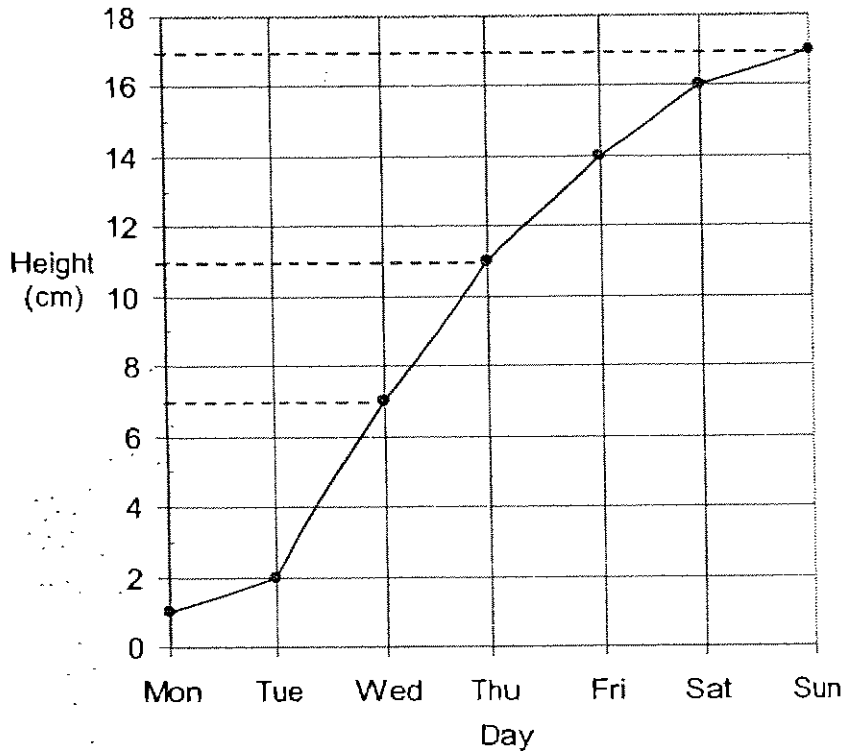
Bob was facing north-west. He made a $\frac{3}{4}$ - turn in an anti-clockwise direction. Which place is he facing now?

Ans : _____

SCORE

The graph below shows the height of a plant measured at 8 a.m. every day for 7 days. Use the graph to answer questions 24 and 25.

Do not write in this space



24. What was the height of the plant on Thursday?

Ans : _____ cm

25. Between which two days did the plant grow the most?

Ans : _____ and _____

SCORE

Questions 26 to 32 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. (14 marks)

Do not write in this space

26. The common factors of 24 and 32 are 1, 2, _____ and _____.

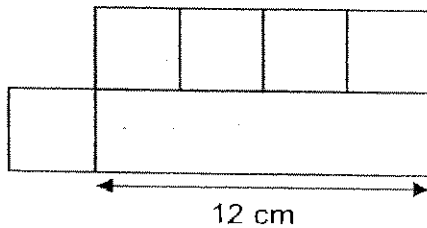
Ans : _____ and _____

27. Arrange the following fractions in order, beginning with the smallest.

$$\frac{5}{11}, \frac{1}{4}, \frac{2}{7}, \frac{1}{3}$$

Ans : _____

28. The figure below is made up of a rectangle and 5 identical squares. What is the area of the figure?



Ans : _____ cm²

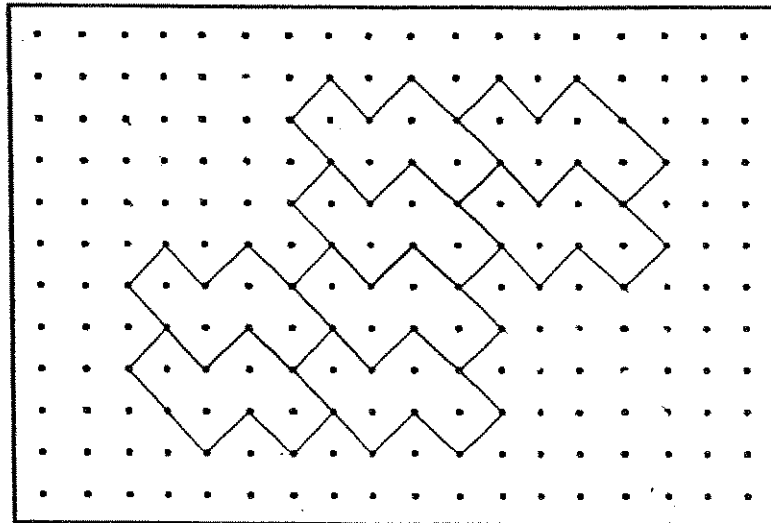
29. The angle turned through by the hour hand from 11 a.m. to 8 p.m. is _____.

Ans : _____ °

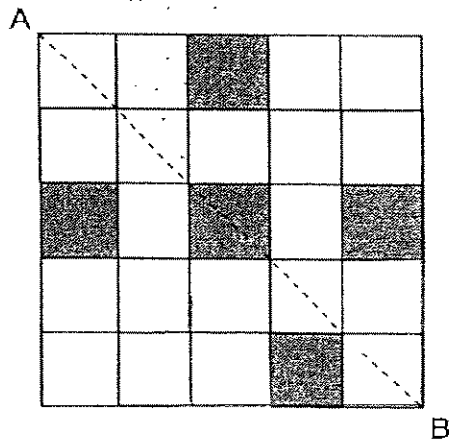
SCORE

30. The pattern in the box shows part of a tessellation. Extend the tessellation by drawing **four** more unit shapes in the space provided within the box.

Do not write in this space



31. Shade two more unit squares so that AB is the line of symmetry.



32. The sum of 2 numbers is 137.4. The value of one number is 0.2 of the other. What is the smaller number?

Ans : _____

33. Refer to Booklet K.

34. Refer to Booklet K.

35. Refer to Booklet K.

SCORE

Questions 36 to 43 carry 4 marks each. Show your working clearly in the space below each question and write your answers in the spaces provided. (32 marks)

Do not write
in this space

36. Ban Heng bought 8 cups. Each cup cost \$5.65.

(a) How much did the cups cost?

(b) How much did he give the cashier if he received \$4.80 change?

Ans : (a) _____ [2]

(b) _____ [2]

SCORE 491

37. Fatimah had 225 cartons of canned drinks. In each carton, there were 12 canned drinks. She sold 157 cartons. How many canned drinks were left?

Do not write
in this space

Ans : _____ [4]

SCORE

38. Meng Huat had 270 stamps. He gave $\frac{4}{9}$ of the stamps to Ali and some stamps to Leela. He had 60 stamps left. What fraction of the stamps did he give to Leela? Give your answer in its simplest form.

Do not write in this space

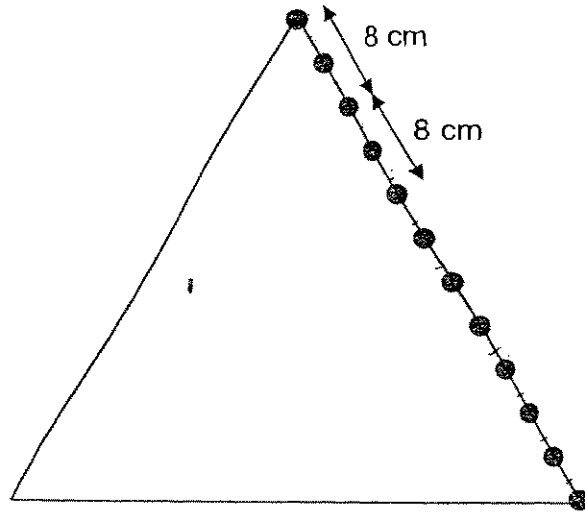
Ans : _____ [4]

SCORE

39. Helen makes some markings on the sides of a triangular piece of cardboard.

The three sides of the cardboard are of equal length. There are 12 points on each side of the cardboard. The distance between 3 points is 8 cm. What is the perimeter of the piece of cardboard?

Do not write in this space



Ans : _____ [4]

SCORE
494

40. The length of a string is 10.61 m. It is 1.85 m longer than a rope. The rope is 6 times as long as a thread. What is the length of the thread? Round off your answer to 1 decimal place.

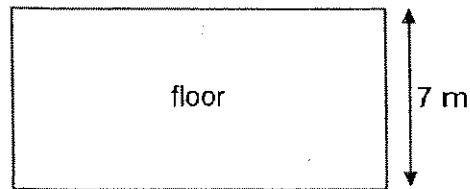
Do not write
in this space

Ans : _____ [4]

SCORE ⁴⁹⁵

41. The diagram below shows a rectangular floor. $\frac{3}{5}$ of the floor is painted.
42 m² of the floor is not painted. Find the perimeter of the floor.

Do not write
in this space



Ans : _____ [4]

SCORE ⁴⁹⁶

42. There are 60 more buttons than marbles in a box. 0.4 of the buttons is equal to $\frac{4}{7}$ of the marbles. How many buttons are there in the box?

Do not write
in this space

Ans : _____ [4]

SCORE

43. Deepa paid \$25 for 35 pens and pencils altogether. The pens were sold at \$2 each and the pencils were sold at 3 for \$1. How many pencils did she buy?

Do not write
in this space

Ans : _____ [4]

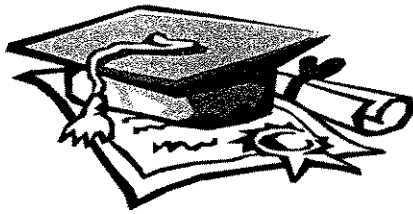
44. Refer to Booklet K.

45. Refer to Booklet K.

End of Booklet B

Set by : Mdm Ong Bok Hoon
Vetted by: P4 Maths Committee Teachers

SCORE



ANSWER SHEET

PEI CHUN PRIMARY SCHOOL - PRIMARY 4 MATHEMATICS 2007
SEMESTRAL ASSESSMENT (2)

- 1. 4
- 2. 1
- 3. 2
- 4. 3
- 5. 4
- 6. 3
- 7. 1
- 8. 4
- 9. 4
- 10. 3
- 11. 2
- 12. 2
- 13. 0
- 14. 0
- 15. 0
- 16. Ninety-eight thousand and forty
- 17. 0.524
- 18. 103
- 19. 7
- 20. 2h 50min.
- 21. $6\frac{2}{25}$
- 22.

23) School

24) 11cm

25) Tuesday and Wednesday

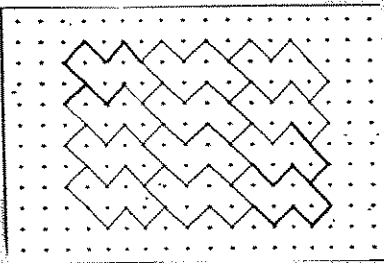
26) 4 and 8

27) $\frac{1}{4}$, $\frac{2}{7}$, $\frac{1}{3}$, $\frac{5}{11}$

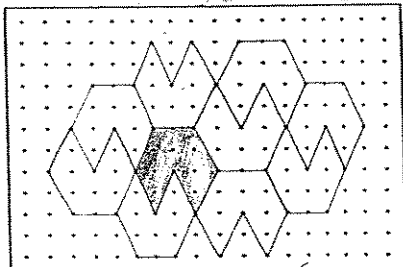
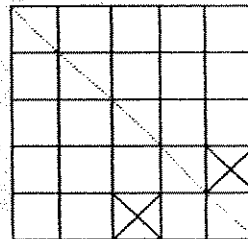
28) 81cm²

29) 270°

30)



31)



32) 22.9

36) a) $5.65 \times 8 = 45.20$

The cups cost \$45.20

b) $45.20 + 4.80 = 50.00$

He gave the cashier \$50

37) $225 - 157 = 68$

$68 \times 12 = 816$

816 canned drinks were left.

38) $270 \div 9 = 30$

$30 \times 4 = 120$

$270 - 120 = 150$

$150 - 60 = 90$

$90 / 270 = 9 / 27$

$9 / 27 = 1 / 3$

He gave $1/3$ stamps to Leela.

39) $8 \times 2 = 16$

$5 - 1 = 4$

$16 \div 4 = 4$

$4 \times 11 = 44$

$44 \times 3 = 132$

The perimeter of the piece of cardboard is 132cm

40) $10.61 - 1.85 = 8.76$

$8.76 \div 6 = 1.46$

$1.46 \approx 1.5$

The length of the thread is 1.5m

41) $1 - 3/5 = 2/5$

$2/5 \rightarrow 42\text{m}^2$

$42 \div 2 = 21$

$21 \times 5 = 105$

$105 \div 7 = 15$

$15 + 15 = 30$

$30 + 7 = 37$

$37 + 7 = 44$

The perimeter of the floor is 44m.

$$42) 10 - 7 = 3$$

$$3/7 \rightarrow 60$$

$$60 \div 3 = 20$$

$$20 \times 7 = 140$$

$$140 + 60 = 200$$

There are 200 buttons in the box.

$$43) 27$$

METHODIST GIRLS' SCHOOL (PRIMARY)
END OF YEAR EXAMINATION 2007
PRIMARY 4

MATHEMATICS

BOOKLET A

Name: _____ ()
Class: P 4. _____

Total time for Booklets A, B and C: 1h 45min

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

SECTION A

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. In 78 346, the digit 8 stands for _____.
 - (1) 8 tens
 - (2) 8 hundreds
 - (3) 8 thousands
 - (4) 8 ten thousands

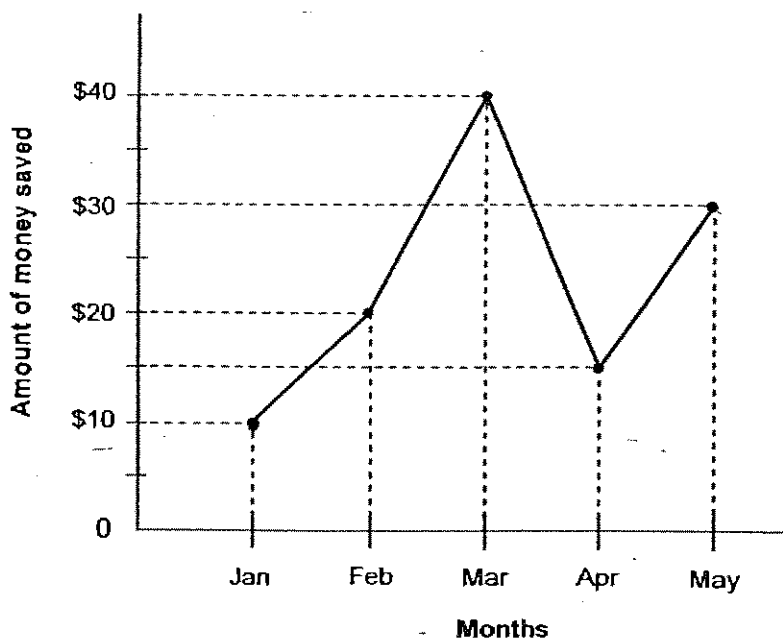
2. Mr Chan bought a car for \$65 995. What is this amount when rounded off to the nearest \$100?
 - (1) \$65 900
 - (2) \$65 950
 - (3) \$66 000
 - (4) \$66 900

3. Which one of the following statements is incorrect?
 - (1) 4 is a factor of 16.
 - (2) 11 is a factor of 33.
 - (3) 2 is a common factor of 36 and 54.
 - (4) 6 is a common factor of 24 and 32.

4. The table below shows the number of seashells 5 children collected. How many children collected **at least** 55 seashells?

	Siti	Gopal	Wei Ming	Shinta	Xiu Feng
Number of seashells	55	65	54	75	50

- (1) 5
(2) 2
(3) 3
(4) 4
5. The line graph shows the amount that Kelly saved over a period of five months.



In which month did she save 3 times as much as she saved in January?

- (1) February
(2) March
(3) April
(4) May

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

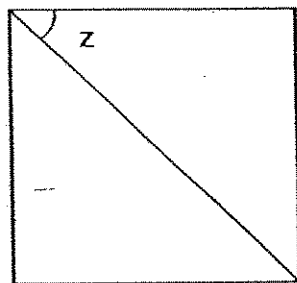
- (1) 12
- (2) 13
- (3) 24
- (4) 26

7. $6\frac{1}{9} - 3\frac{7}{9} = \square$

What is the missing fraction in the box?

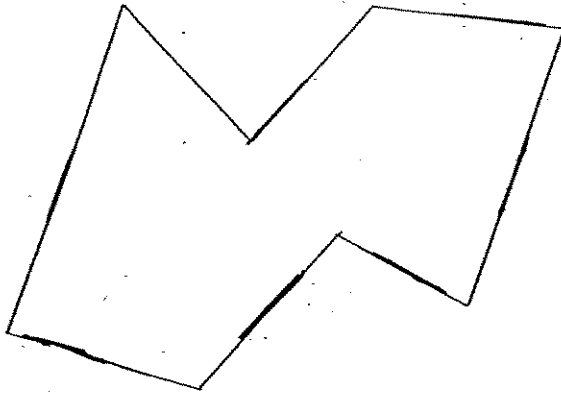
- (1) $2\frac{1}{3}$
- (2) $2\frac{2}{3}$
- (3) $3\frac{1}{3}$
- (4) $3\frac{2}{3}$

8. Given that the figure is a square, find $\angle z$.



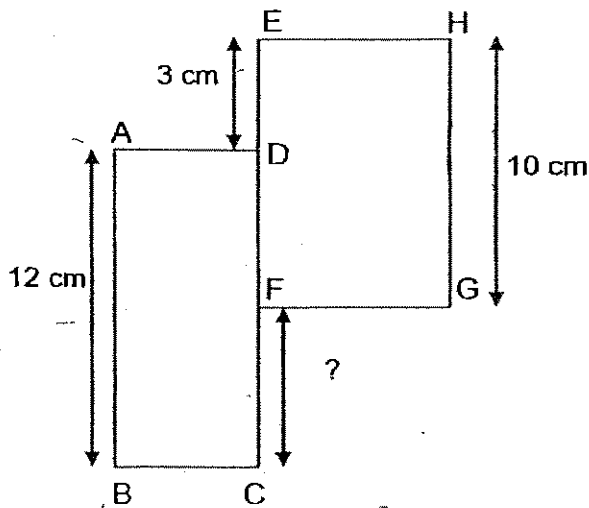
- (1) 30°
- (2) 45°
- (3) 60°
- (4) 90°

9. How many pairs of parallel lines are there in the figure below?



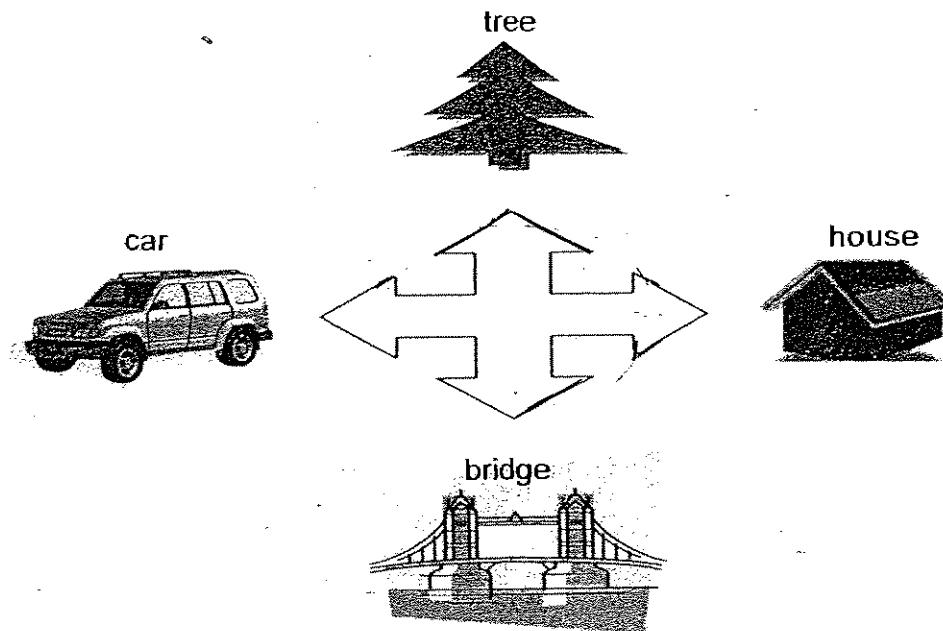
- (1) 1
- (2) 2
- (3) 3
- (4) 4

10. The figure below is made up of two rectangles ABCD and EFGH. What is the length of CF?



- (1) 8 cm
- (2) 6 cm
- (3) 5 cm
- (4) 4 cm

11. Alice is facing the bridge. Where will she be facing if she makes a $\frac{3}{4}$ -turn in an anti-clockwise direction?



- (1) car
 (2) tree
 (3) house
 (4) bridge
12. In 13.345, what is the value of the digit 4?

- (1) 4 tens
 (2) 4 tenths
 (3) 4 hundreds
 (4) 4 hundredths

13. What is the missing sign in the box?

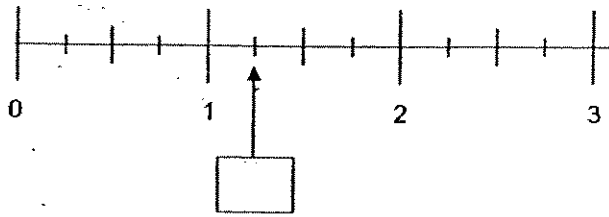
$$0.01 \boxed{} 10 = 0.001$$

- (1) +
 (2) -
 (3) ×
 (4) ÷

14. The sum of two numbers is 77.26.
The bigger number is 16.48 more than the smaller number.
Find the bigger number.

- (1) 30.39
- (2) 46.87
- (3) 55.11
- (4) 60.78

15. In the number line below, what is the number in the box?

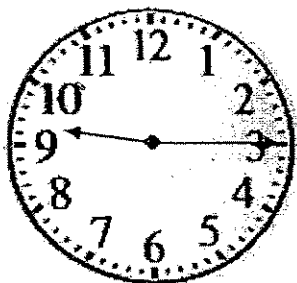


- (1) 0.5
- (2) 1.5
- (3) 0.25
- (4) 1.25

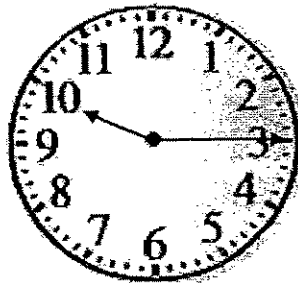
16. Which one of the following shapes can tessellate?

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

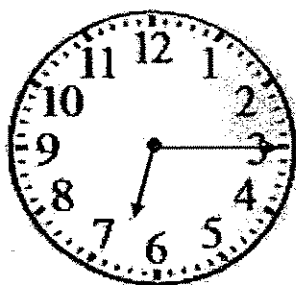
17. Which one of the following clocks shows the time 19 15?



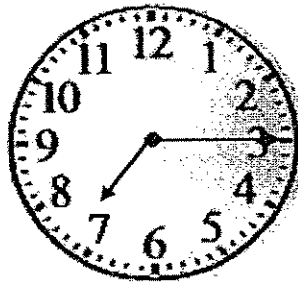
Clock A



Clock B



Clock C



Clock D

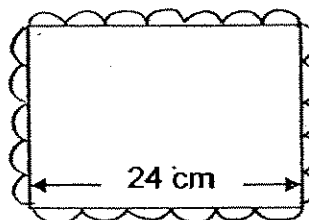
- (1) Clock A
- (2) Clock B
- (3) Clock C
- (4) Clock D

18. Mary jogged 3 times round a rectangular track measuring 45 m by 30 m. What was the distance she jogged?

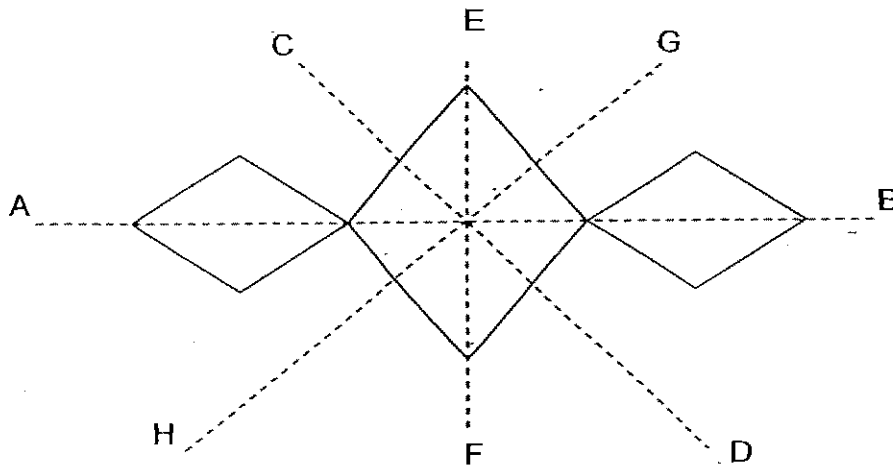
- (1) 150 m
- (2) 225 m
- (3) 450 m
- (4) 1 350 m

19. 72 cm of lace is used to decorate the border of a picture frame. What is the width of the frame if its length is 24cm?

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



20. Which 2 lines are the lines of symmetry?



- (1) AB and CD
- (2) AB and GH
- (3) AB and EF
- (4) CD and GH

SECTION B

Questions 21 to 40 carry 2 marks each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

20 marks

21. $46\,580 = 40\,000 + 6\,000 + \underline{\hspace{2cm}} + 80$.
What is the missing number?

22. A number is between 20 and 30. It is also a multiple of 3.
When it is divided by 5, the remainder is 2. What is the number?

23. Tom has 3 times as many stamps as Ali.
If Tom has 240 stamps more than Ali, how many stamps does Ali have?

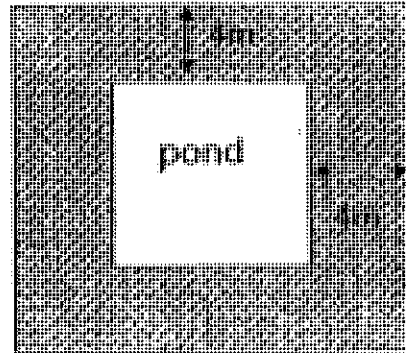
43. A marker costs twice as much as a pen. Hannah spent $\frac{2}{9}$ of her money on 15 pens and $\frac{4}{9}$ of her money on some markers. She then had \$18 left. What is the cost of 1 marker?

Ans: _____ [4]

44. On a particular day, Andrea cycled 6.58 km. Betty cycled 0.63 km more than Andrea. Cindy cycled 1.02 km less than Betty. What was the total distance cycled by all 3 girls?

Ans: _____ [4]

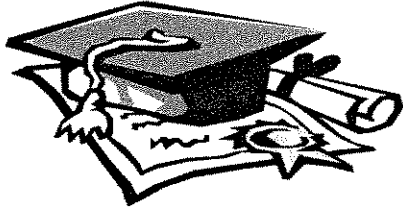
45. A square pond is surrounded by a footpath with a width of 4m around it. If the perimeter of the pond is 168m, what is the area of the footpath?



Ans: _____ [4]

End of paper

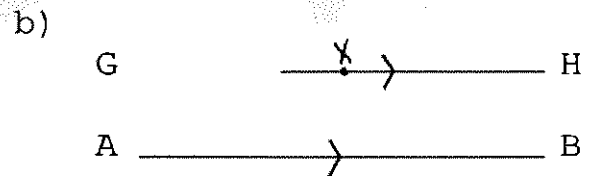
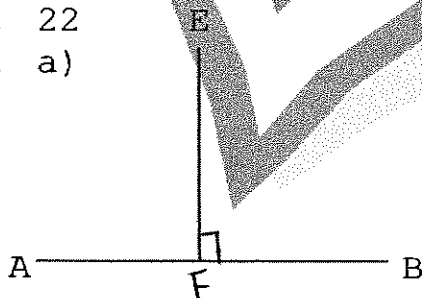
~ Have you checked your work? ☺



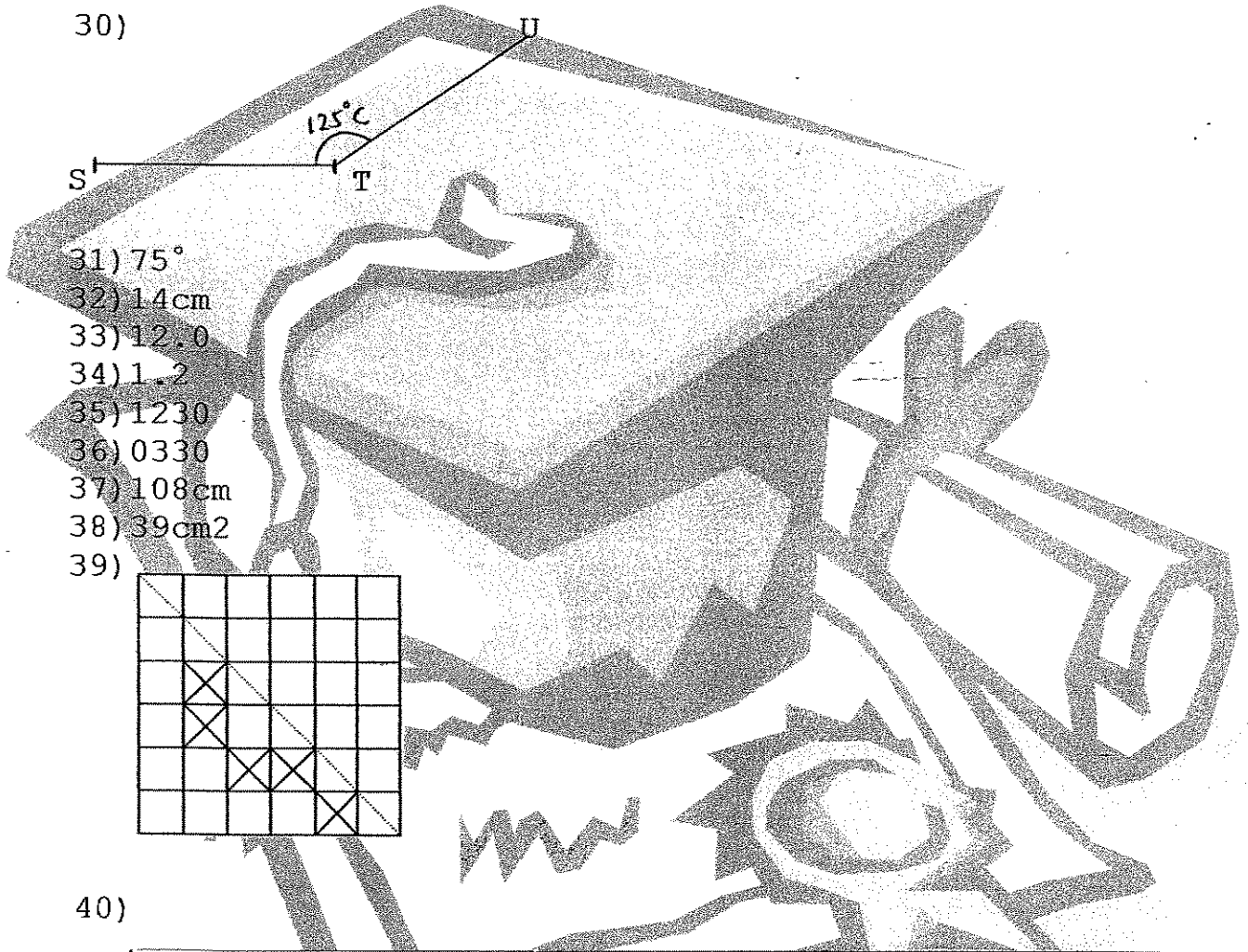
ANSWER SHEET

M. G S PRIMARY SCHOOL - PRIMARY 4 MATHEMATICS 2007
SEMESTRAL ASSESSMENT (2)

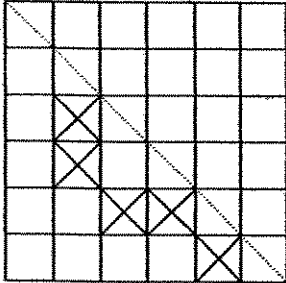
- 1. 3
- 2. 3
- 3. 4
- 4. 3
- 5. 4
- 6. 2
- 7. 1
- 8. 2
- 9. 2
- 10. 3
- 11. 1
- 12. 4
- 13. 4
- 14. 2
- 15. 4
- 16. 3
- 17. 4
- 18. 3
- 19. 3
- 20. 3
- 21. 500
- 22. 27
- 23. 120
- 24. 100 more blueberry muffins.
- 25. $\frac{1}{8}$
- 26. $\frac{5}{6}$
- 27. i) x ii) x iii) \checkmark iv) x
- 28. 22
- 29. a)



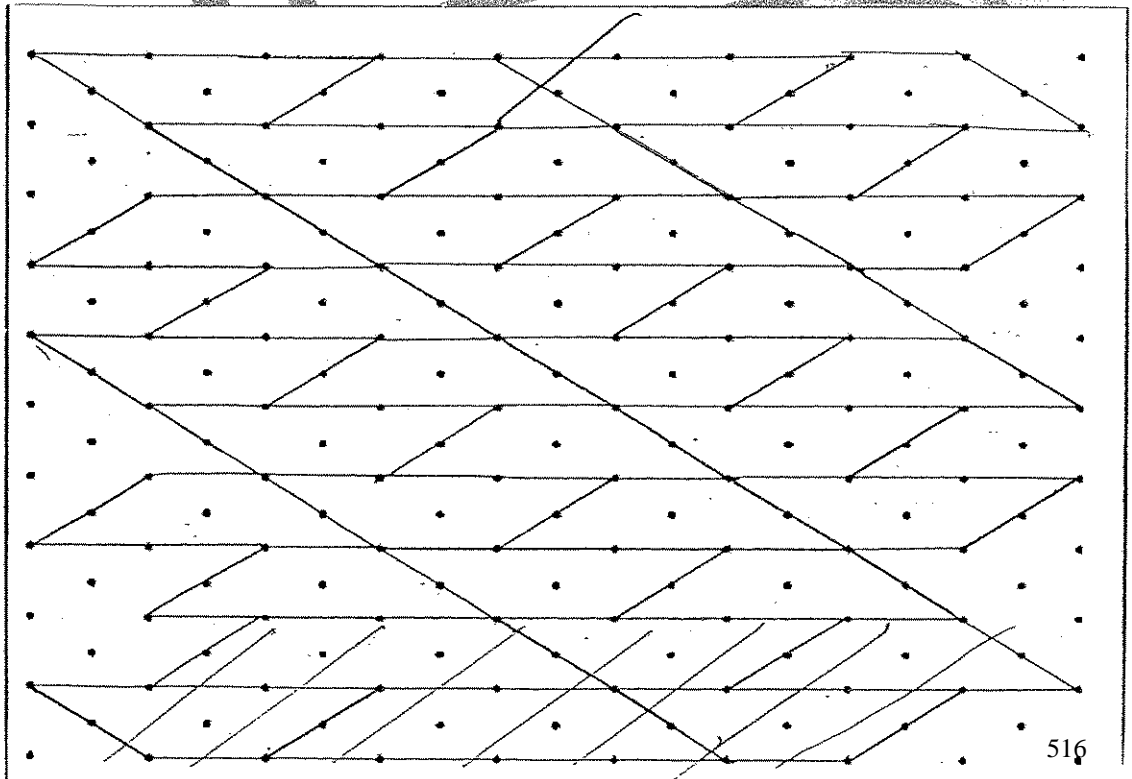
30)

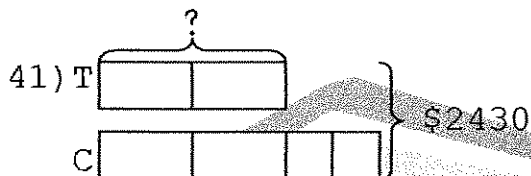


- 31) 75°
- 32) 14cm
- 33) 12.0
- 34) 1.2
- 35) 1230
- 36) 0330
- 37) 108cm
- 38) 39cm²
- 39)



40)



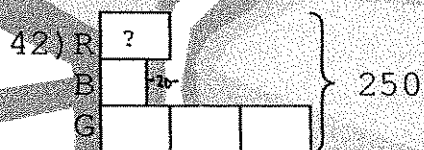


$$2430 - 680 = 1750$$

$$1750 \div 5 = 350$$

$$350 + 680 = 1030$$

The cost of the table is \$1030.



$$250 + 20 = 270$$

$$270 \div 5 = 54$$

She had 54 red balls.

43) $18 \div 3 = 6$

$$15 \text{ pens} \rightarrow \$12$$

$$12.00 \div 15 = 80$$

$$1 \text{ pen} \rightarrow \$0.80$$

$$80 + 80 = 160$$

1 marker cost \$1.60

44) $6.58 + 0.63 = 7.21$

$$7.20 - 1.02 = 6.19$$

$$6.19 + 7.21 = 13.40$$

$$13.40 + 6.58 = 19.98$$

The total distance cycled by all 3 girl is 19.98km.

45) $168 \div 4 = 42$

$$42 \times 42 = 1764$$

$$42 + 8 = 50$$

$$50 \times 50 = 2500$$

$$2500 - 1764 = 736$$

The area of the footpath is 736m².



AI TONG SCHOOL

2007

SEMESTRAL ASSESSMENT 2

PRIMARY 4

MATHEMATICS

DURATION : 1 h 45 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 4 _____

Marks:

100

Parent's Signature : _____

Date : _____

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 oval (1, 2, 3 or 4) on the Optical Answer Sheet with a 2B pencil. (20 marks)

1. $24\,756 = 20\,000 + 4000 + \boxed{} + 50 + 6$

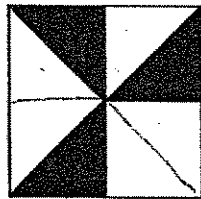
What is the missing number in the box?

- (1) 7
- (2) 70
- (3) 700
- (4) 7000

2. The common factor of 48 and 64 is _____.

- (1) 6
- (2) 8
- (3) 12
- (4) 24

3. What fraction of the figure is shaded?



- (1) $\frac{3}{4}$
- (2) $\frac{3}{5}$
- (3) $\frac{3}{7}$
- (4) $\frac{3}{8}$

14. Miss Chan bought some pies. $\frac{2}{5}$ of them were chicken pies. The remaining 60 were fruit pies. How many pies did she buy altogether?
- (1) 20
(2) 40
(3) 80
(4) 100
15. A bus left Singapore at 10 15 and reached Kuala Lumpur at 18 00 on the same day. How long was the journey in hours and minutes?
- (1) 4 h 15 min
(2) 7 h 15 min
(3) 7 h 45 min
(4) 7 h 55 min

Section B

Questions 16 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. (40 marks)

16. Complete the number pattern.

3845, 3955, _____, 4175, 4285

Ans: _____

17. Find the value of $6 - 3\frac{4}{9}$.

Ans: _____

18. Find the value of 243×56 .

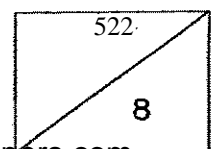
Ans: _____

19.

5, 6, 8

Using any two numbers in the box above, form the **largest two-digit number** which is a multiple of 4.

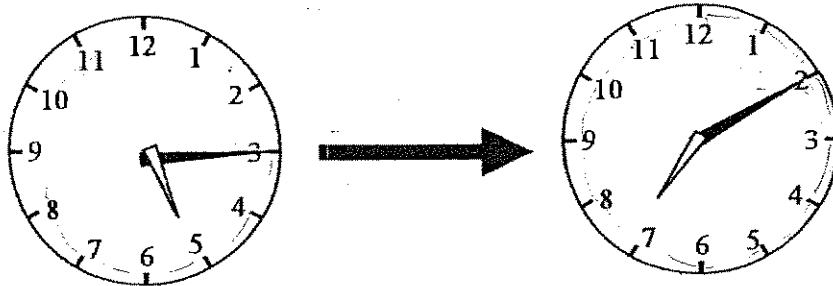
Ans: _____



20. Margaret paid \$108 for 6 teddy bears and 4 Barbie dolls.
A teddy bear cost \$3 more than a Barbie doll.
Find the cost of a teddy bear.

Ans: \$ _____

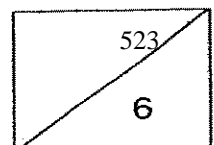
21. The clocks showed the starting and ending time I used to jog this morning. How long did I jog?



Ans: _____ h _____ min

22. Jason left his house at 15 35. He took 33 minutes to walk to Serangoon Community Club. At what time did he arrive at the community club?

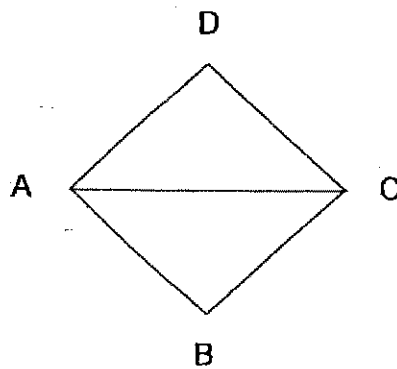
Ans: _____ p.m.



23. Mrs Lim covered $\frac{1}{2}$ of his journey by taxi, $\frac{3}{8}$ by train and the remaining journey by bus. What fraction of her journey was covered by bus?

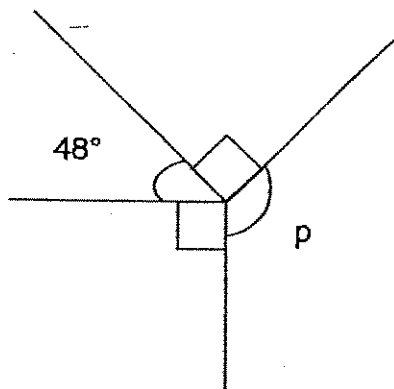
Ans: _____

24. In the figure below, ABCD is a square. Name 2 lines that are perpendicular to each other

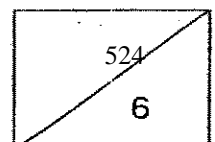


Ans: _____ \perp _____

25. The figure below is not drawn to scale. Find $\angle p$.



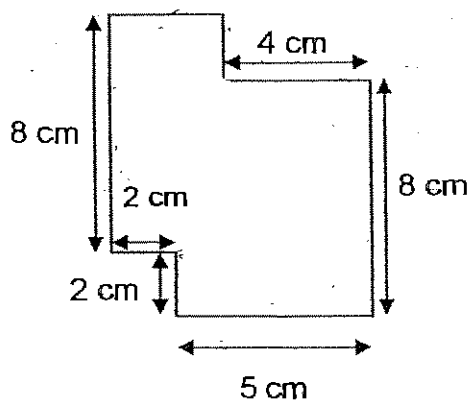
Ans: _____



26. A rectangular park measures 60 m by 42 m.
 What is the cost of putting up a fence around it if 1 m of fencing costs \$8?

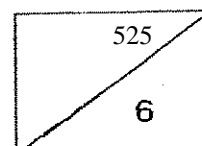
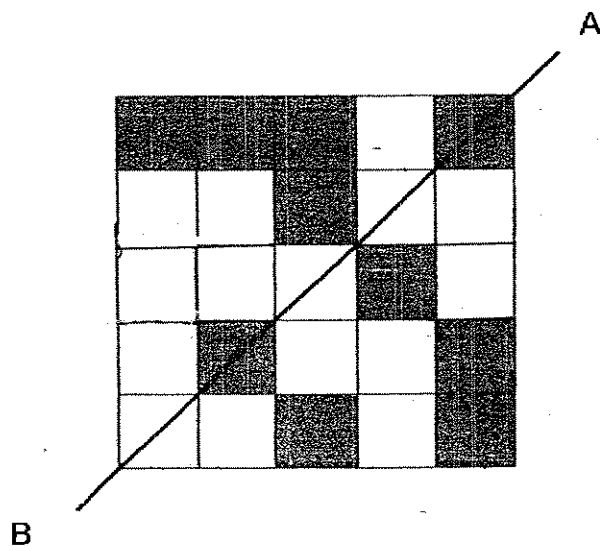
Ans :\$ _____

27. The following figure is not drawn to scale. Find the area of the composite figure.



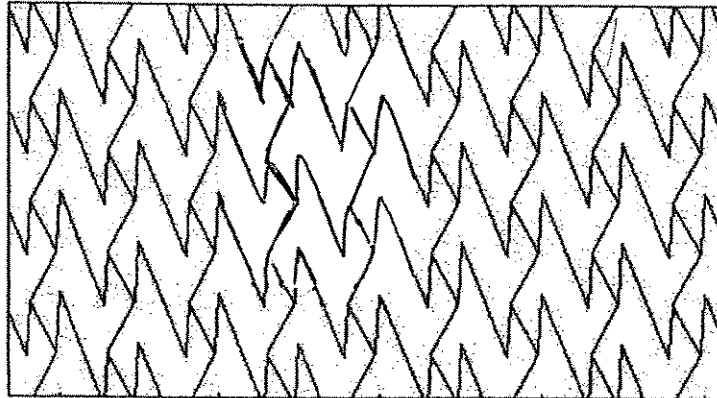
Ans: _____ cm²

28. Shade **two** more unit squares to make the figure below symmetrical about the line AB.



29. The pattern in the box shows part of a tessellation.

Shade the unit shape in the tessellation.



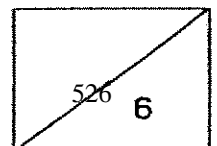
30. Mabel cuts a string of 25 m long into 8 equal pieces.

Find the length of each piece. Correct your answer to 2 decimal places.

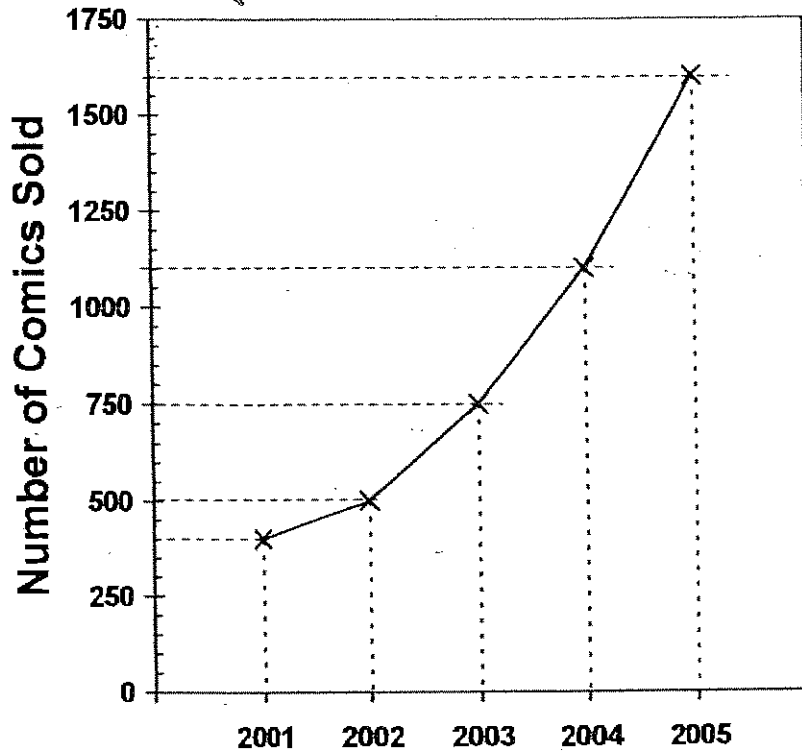
Ans : _____ m

31. A box weighs 5 times as much as a bag. The difference in their mass is 10.4 kg.
What is the mass of the box?

Ans : _____ kg



The line graph shows the number of comics sold in a bookshop each year from 2001 to 2005. Use the graph to answer questions 32 and 33.

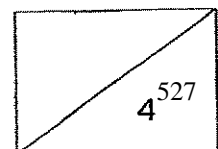


32. What was the difference in number of comics sold between 2001 and 2004?

Ans: _____ comics

33. The greatest increase in the number of comics sold is between which 2 years?

Ans: Between _____ and _____

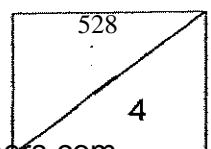


34. A tank is $\frac{5}{8}$ full. It contains 20 litres of water. What is the capacity of the tank?

Ans: _____ ?

35. Ben has the same number of 20-cent and 50-cent coins. Their total value is \$4.90. How many 50-cent coins does he have?

Ans : _____



Section C

Questions 36 to 45 carry 4 marks each. Show your working clearly in the space provided below each question and write your answers in the spaces provided.

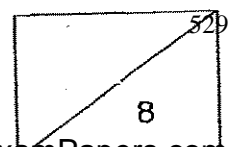
(40 marks)

36. James bought **8 crates** of peaches. He repacked the peaches into 35 baskets with 64 peaches in each basket and 16 peaches were left over. If each **crate** had an equal number of peaches, how many peaches were there in each crate?

Ans: _____ [4]

37. Ray has 4 times as many picture cards as David. Charles has half of what Ray has. If Ray and David have 245 picture cards altogether, how many picture cards does Charles have?

Ans: _____ [4]



38. In a box, there are yellow, red and green beads.

$\frac{1}{3}$ of the beads in the box are yellow.

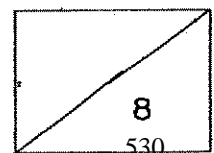
There are 30 more red beads than yellow beads.

The rest of the 15 beads are green. How many beads are there altogether?

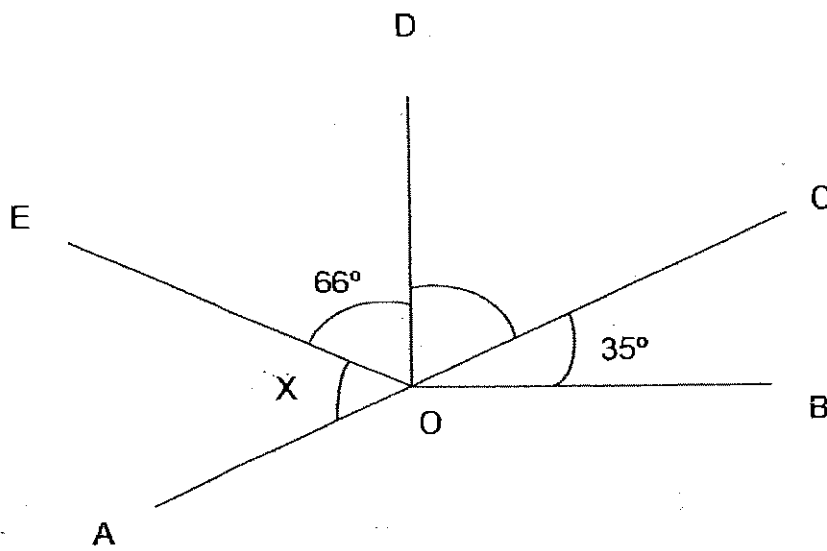
Ans: _____ [4]

39. Janice spent \$28 on Friday and \$46 on Saturday. She then had $\frac{5}{7}$ of her money left. How much money had Janice at first?

Ans: _____ [4]



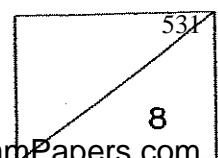
40. The figure below is not drawn to scale. AOC is a straight line.
 $\angle DOB$ is a right angle. Find $\angle x$.



Ans: _____ [4]

41. Gopal bought 2 similar ties and 3 similar belts for \$142.85.
 If each tie cost \$14.80, what was the cost of each belt?

Ans: _____ [4]

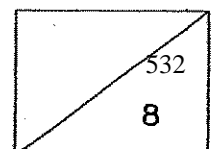


42. Ken packed 3 kg of sugar into a large packet and three small packets. The large packet contained twice as much sugar as each small packet. Find the mass of sugar in the large packet in **kg**.

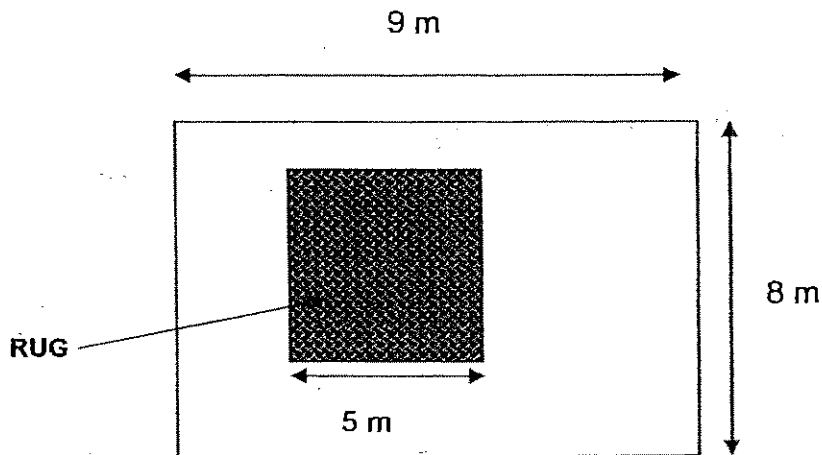
Ans : _____ [4]

-
43. Eddie started on his project at 9.30 a.m. He stopped to take a half-hour break at noon for his lunch. He finished his project at 5.15 p.m. How long did he take to do his project?

Ans : _____ [4]

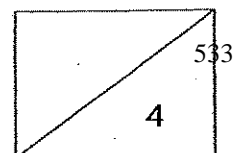


44. A rectangular floor is 9 m long and 8 m wide. A square rug of length 5 m is laid on the floor as shown in the figure below.
- (a) Find the area of the floor **not covered** by the rug.
 - (b) Find the cost of carpeting the **uncovered** floor if 1 m² of rug costs \$50.



Ans: (a) _____ [3]

(b) _____ [1]



45. Jamil is making patterns using stickers and toothpicks.
 He uses 4 toothpicks to surround a sticker, 6 toothpicks to surround 2 stickers
 and so on. Study the pattern carefully.



(a) Complete the table below.

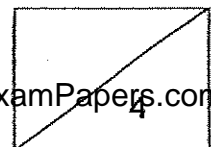
Number of stickers	Number of toothpicks
1	4
2	6
3	8
4	10
8	<input type="text"/>
10	22
50	<input type="text"/>

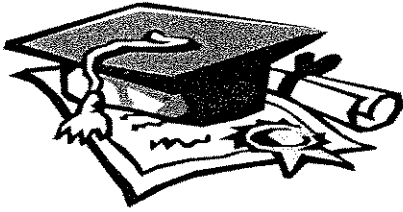
[1]

[1]

- (b) How many stickers does Jamil need if he uses 162 toothpicks?

Ans: _____ [2]



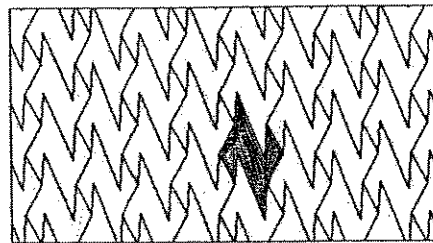


ANSWER SHEET

AI TONG PRIMARY SCHOOL - PRIMARY 4 MATHEMATICS 2007
SEMESTRAL ASSESSMENT (2)

1. 3
2. 2
3. 4
4. 1
5. 3
6. 2
7. 2
8. 4
9. 2
10. 3
11. 3
12. 3
13. 2
14. 4
15. 3
16. 4065
17. $2\frac{3}{9}$
18. 13608
19. 68
20. \$12
21. 1 h 55 min
22. 4.08 p.m
23. $\frac{1}{8}$
24. $AB \perp BC$
25. 132°
26. 1632
27. 58cm²
- 28.

29)



30) 4.125

31) 13kg

32) 700

33) 2004 and 2005

34) 32

35) 7

36) $35 \times 64 = 2240$

$2240 + 16 = 2256$

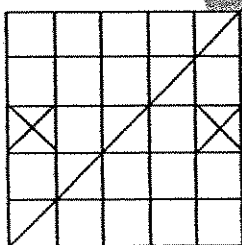
$2256 \div 8 = 282$

There were 282 peaches altogether

37) 98

38) 67.5

39) \$259



$$40) 90^\circ - 35^\circ = 55^\circ$$

$$180^\circ - 55^\circ = 125^\circ$$

$$125^\circ - 66^\circ = 59^\circ$$

$\angle X$ is 59°

$$41) \$14.80 \times 2 = \$29.60$$

$$\$142.85 - \$29.60 = \$113.25$$

$$\$113.25 \div 3 = \$37.75$$

The cost of each belt is \$37.75

$$42) 5 \text{ units} = 3.0 \text{ kg}$$

$$1 \text{ unit} = 3 \div 5 = 0.6 \text{ kg}$$

$$2 \text{ units} = 0.6 \times 2 = 1.2 \text{ kg}$$

$$43) 17\text{h}15\text{min} - 9\text{h}30\text{min} = 7\text{h}15\text{min}$$

$$7\text{h}45\text{min} - 30\text{min} = 7\text{h}15\text{min}$$

$$44) \text{a) } 9 \times 8 = 72$$

$$5 \times 5 = 25$$

$$72 - 25 = 47$$

The area of the floor is 47m^2

$$\text{b) } 47 \times \$50 = \$2350$$

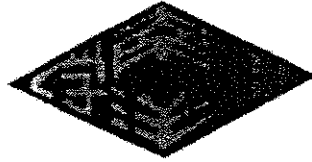
The cost of carpeting the uncovered floor is \$2350

$$45) \text{a) } 18,102$$

$$\text{b) } 162 \div 2 = 81$$

$$160 \div 2 = 80$$

Jamil need 160 stickers.



NANYANG PRIMARY SCHOOL
SECOND SEMESTRAL EXAMINATION
2007

PRIMARY 4
MATHEMATICS

DURATION: 1 HOUR 45 MINUTES

Section A	/ 40
Section B	/ 40
Section C	/ 20

Total: / 100

Name: _____ ()

Class: Primary 4 ()

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.

Section A

Questions 1 to 20 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.

(Total: 40 marks)

1. Find the difference between $\frac{7}{9}$ and $\frac{1}{9}$.

(1) $\frac{8}{9}$

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

(3) $\frac{5}{9}$

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

2. In 123.045, the digit 4 stands for _____.

(1) 4 ones

(2) 4 tenths

(3) 4 hundredths

(4) 4 thousandths

3. Express 6.375 as a fraction in its simplest form.

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

(2) $6\frac{3}{8}$

(3) $6\frac{5}{8}$

(4) $6\frac{7}{8}$

4. Which of the following numbers is a multiple of 7?

(1) 207 ✗

(2) 291 ✗

(3) 560 ✓

(4) 666 ✗

538

5. Which of the following is the best estimate of 894×23 ? $(90) \times (20) = 18000$
- (1) 890×20 (2) 890×30
(3) 900×20 (4) 900×30
6. Find the difference between 17.028 and 45.6.
Round off the answer to 1 decimal place.
- (1) 28.5 (2) 28.6
(3) 28.7 (4) 28.8
7. Vivian jogs for 2400 s every evening. Express the time in minutes.
 (40 min)
- (1) 40 min (2) 60 min
(3) 100 min (4) 400 min
8. Valerie ate $\frac{1}{3}$ of a pizza. Phiona ate $\frac{1}{12}$ more than Valerie. What fraction of the pizza did they eat altogether?
- (1) $\frac{2}{15}$ (2) $\frac{1}{4}$
(3) $\frac{5}{12}$ (4) $\frac{3}{4}$
9. A digital camera cost \$459. Mr Tan ordered 12 cameras. How much did he pay?
- (1) \$5408 (2) \$5508
(3) \$5608 (4) \$6598

10. A robot was standing 1 m away from a tree. It walked $\frac{1}{8}$ m per step.

How far would it be from the tree if it walked 90 steps in a straight line away from the tree?

- (1) $2\frac{1}{4}$ m (2) $10\frac{1}{4}$ m
 (3) $11\frac{1}{4}$ m (4) $12\frac{1}{4}$ m

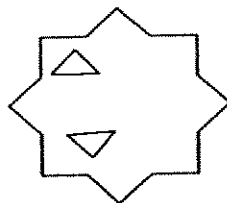
11. A cupboard costs \$159.20. A school wants to buy 76 cupboards. What is the best estimate of the total cost?

- (1) 159×76 (2) 159×80
 (3) 160×76 (4) 160×80

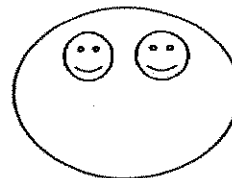
12. Which of the following is a symmetrical figure?



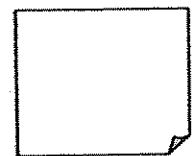
A



B



C



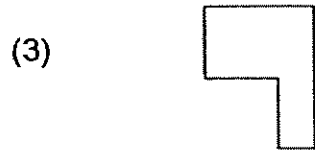
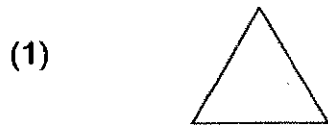
D

- (1) A (2) B
 (3) C (4) D

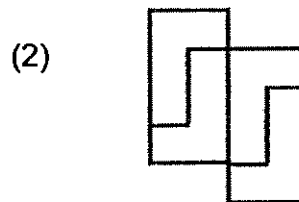
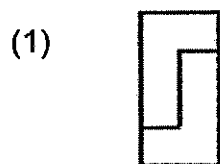
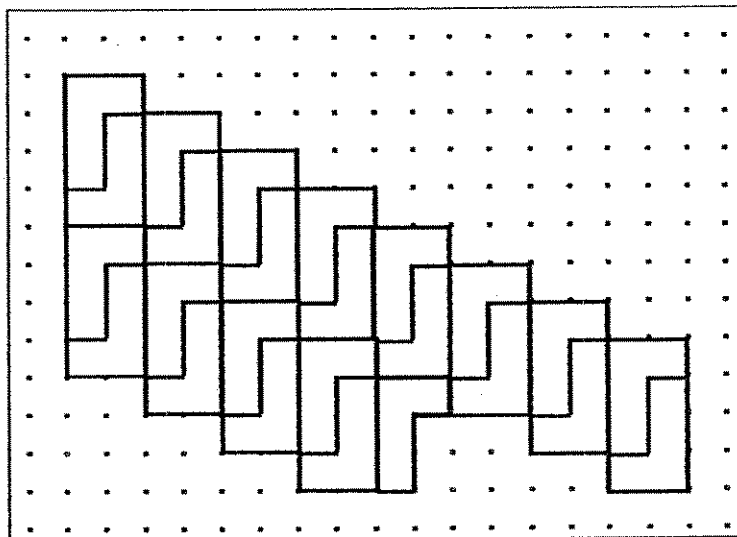
13. A square has a perimeter of 52 cm. Find its area.

- (1) 13 cm^2 (2) 104 cm^2
 (3) 169 cm^2 (4) 208 cm^2

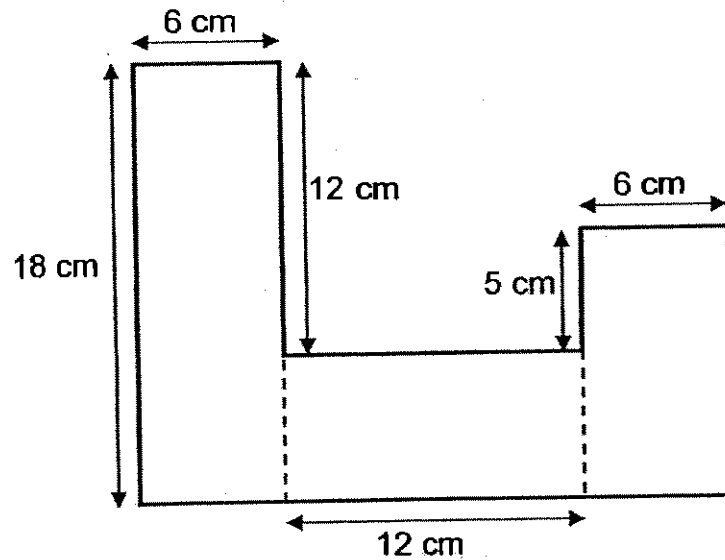
14. Which of the following shapes cannot be tessellated?



15. What is the unit shape in the following tessellation?



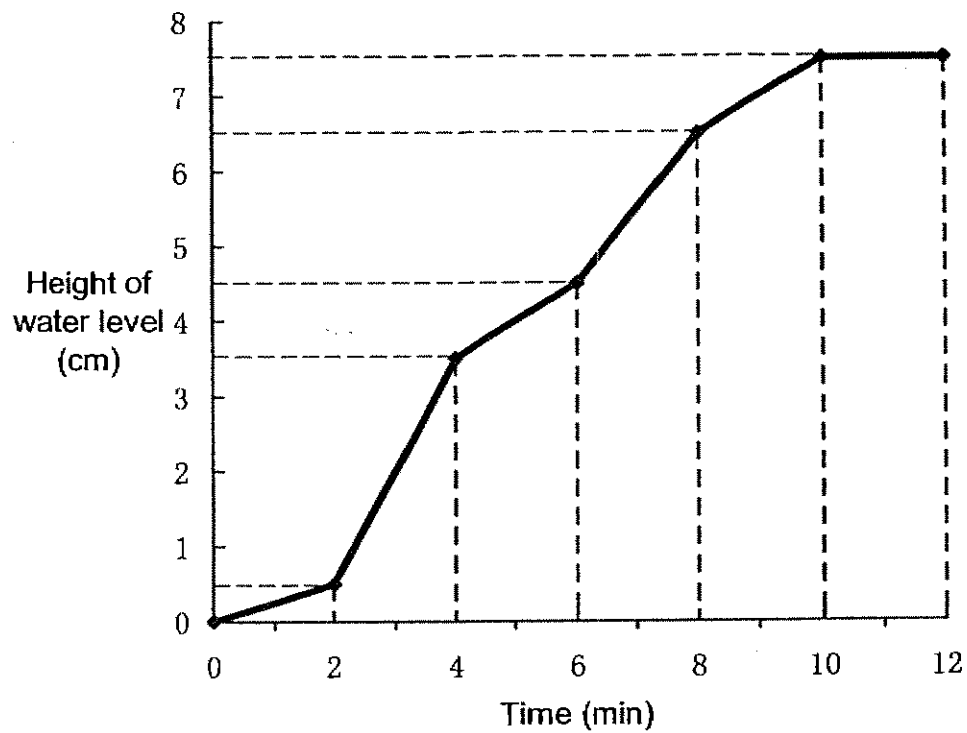
16. The figure below is made up of 3 rectangles. Find the area of the figure.



- (1) 174 cm^2 (2) 180 cm^2
 (3) 246 cm^2 (4) 258 cm^2
17. Daniel bought 33 booklets of coupons. There were 200 one-dollar coupons in each booklet. He packed the total amount collected equally into 5 envelopes. What was the total amount of money in one envelope? Round off the answer to the nearest \$100.
- (1) \$1000 (2) \$1300
 (3) \$1320 (4) \$1400
18. A food stall owner had 29.2 kg of rice. He used 2.8 kg of rice daily for fried rice from Monday to Thursday. The rest of the rice was used for baked rice on Friday and Saturday. How many kilogrammes of rice was used on Friday if equal amount of baked rice was prepared on Friday and Saturday?

- (1) 9 (2) 10
 (3) 13 (4) 14

19. Belinda turned on a tap to fill a tank. The graph below shows the height of the water level in the tank over a period of 12 minutes.



The tap was turned on the fullest between _____ minute.

- (1) 2nd to 4th (2) 4th to 6th
(3) 6th to 8th (4) 8th to 10th

20. The table below shows the number of bowls of prawn noodle and mee siam sold in the canteen in a week.

Day	Number of bowls	
	prawn noodle \$1	mee siam \$1
Monday	25	48
Tuesday	75	22
Wednesday	30	30
Thursday	40	100
Friday	30	?

A bowl of prawn noodle and a bowl of mee siam cost \$1.00 each. The total amount of money collected from the sales of both prawn noodle and mee siam last week was \$600. How many bowls of mee siam were sold on Friday?

- (1) 500 (2) 400
(3) 300 (4) 200

Section B

Questions 21 to 40 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.

(Total: 40 marks)

21. Express $3\frac{1}{12}$ as an improper fraction.

Answer: _____

22. Express $\frac{30}{8}$ as a mixed number in its simplest form.

Answer: _____

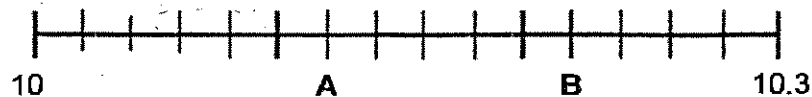
23. $7.618 = 7 + 0.6 +$ _____ thousandths.

Answer : _____

24. What is the smallest number when rounded off to the nearest 2 decimal places would give you 46.68?

Answer : _____

25. Write the values represented by the letters **A** and **B**.



Answer : **A** is _____

B is _____

545

26. The total length of 6 identical poles is 2.4 m. Find the total length of 9 such poles.

Answer : _____ m

27. When a number is divided by 10, the quotient is 530 and the remainder is 6. What is the number?

Answer: _____

28. Mr Brown drove from Singapore to Penang at 23 50. It took him 9 hours to travel to Penang. What time would he arrive in Penang?
(Give your answer in 24 hour clock)

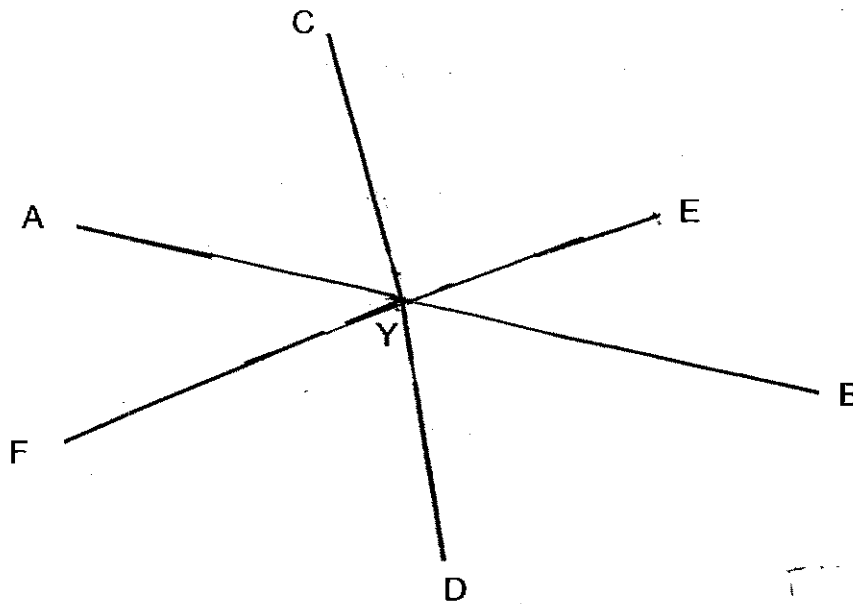
Answer : _____

29. Mr. Lee started driving from home at 13 45. He reached his destination at 16 05. Find the duration of the journey.

Answer : _____ min

546

30. AYB is a straight line. Which pair of angles when added is equal to the sum of 2 right angles?



Answer : \angle _____ and \angle _____

31. List all the common factors of 42 and 105.

Answer : _____

32. Samuel bought a wallet that cost \$150. He bought a MP3 player which cost $3\frac{1}{2}$ times as much as the wallet. How much did the MP3 player cost?

Answer : \$ _____

33. Mohammad is thinking of two fractions. The first fraction is $\frac{1}{6}$. The second fraction is twice as much as the first fraction. What is the sum of the two fractions?

(Give your answer in its simplest form)

Answer : _____

34. The perimeter of a rectangular pool is 160 m. The length of the pool is three times its breadth. Find the area of the pool.

Answer : _____ m²

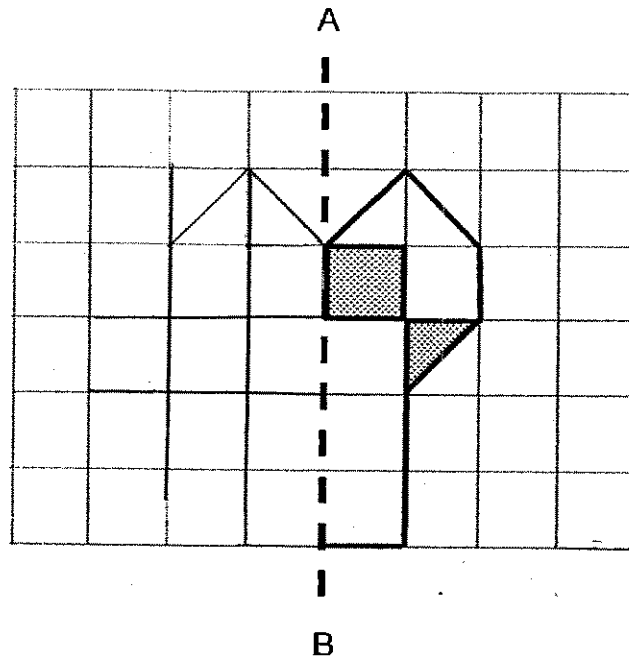
35. 100 g of ham cost \$2.05 and, 100 g of sausages cost \$3.82. Xiaoming bought 400 g of ham and 1 kg of sausages. Round off the total cost to the nearest dollar.

Answer : \$ _____

36. Fruit punch is made by mixing one part orange juice with four parts pineapple juice. A total of 25 ℓ of orange juice is used to make the fruit punch. The fruit punch is then poured equally into 500 glasses. How much fruit punch is there in each glass?

Answer : _____ ℓ

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



38. Which one of the following numbers in the boxes must be taken away so that the sum of the remaining numbers can be divided by 2 and 3?

11

15

19

28

32

Answer: _____

549

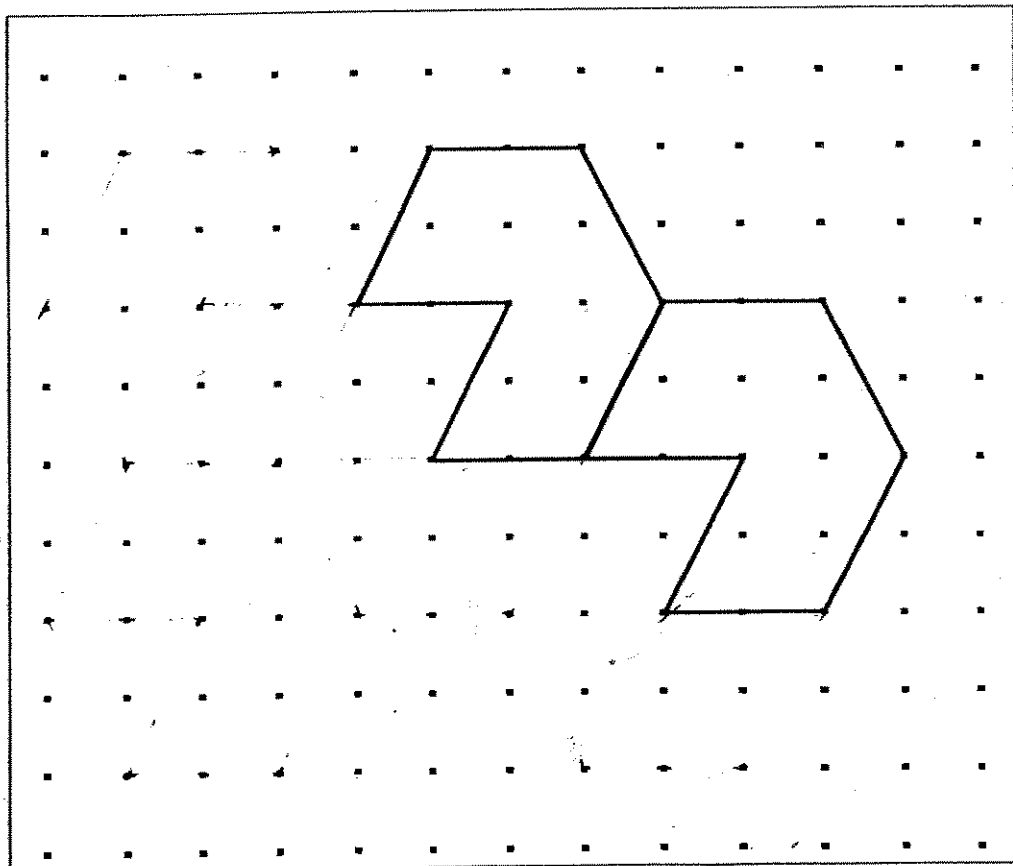
39. The table below shows the price list at a photocopy shop.

Type of paper	Price per copy	
	First 100 copies (¢)	More than 100 copies (¢)
white	5	3
purple	13	10

Mr Parker wants to make 300 copies of a one-page report. How much more does it cost to make the copies on purple paper than white paper?

Answer \$

40. The pattern in the box shows part of a tessellation. Extend the tessellation by drawing another four more unit shapes in the space provided within the box.



550

Section C

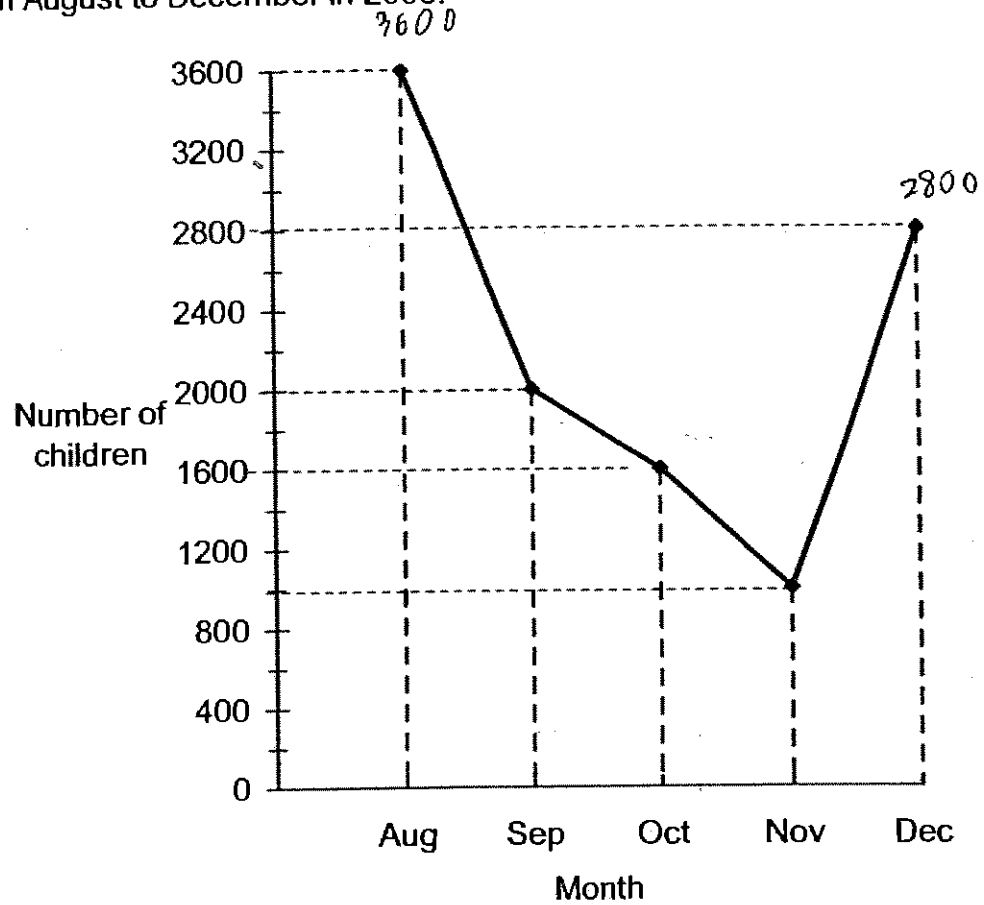
Questions 41 to 45 carry 4 marks each. Do these word problems carefully. Show your working clearly in the space provided for each question and write your answers in the spaces provided.

(Total: 20 marks)

41. Mr Samy bought three times as many cupcakes as brownies for his class party. Each brownie cost \$3.90 and each cupcake cost \$1.70. How many cupcakes did he buy if he paid a total of \$405?

Answer : _____

42. The line graph below shows the number of children at a swimming pool from August to December in 2006.



- (a) Between which two months did the number of children decrease the least?
- (b) Express the number of children in December as a fraction of the number of children in August. Give your answer in its simplest form.

Answer : (a) _____ and _____

(b) _____

552

43. The table below shows the parking charges at a car park.

Time	Price
07 00 – 17 00	\$1 per $\frac{1}{2}$ hour
After 17 00	\$0.50 per hour

- (a) Ms Junita parked her car at the car park from 09 30 to 20 00. How many hours did she park her car?
- (b) How much did Ms Junita pay for the parking charges?

Answer : (a) _____

(b) _____

44. The Housing Development Board used the digits 3, 4 and 5 to label some blocks of flats. Each block is labelled with a combination of any 2 numbers, for example 33, 34, 43. List all other possible combinations.

Answer : _____

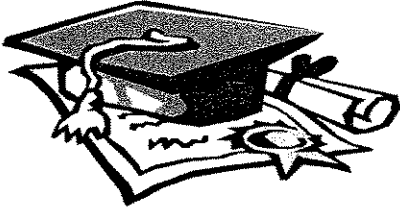
45. Mr Lim ordered 7000 highlighters from a bookshop. He ordered ~~200~~ more pink highlighters than blue highlighters. He ordered twice as many green highlighters as pink highlighters.
- (a) How many ~~blue~~ highlighters did he order?
- (b) How many ~~green~~ highlighters did he order?

Answer : (a) _____

(b) _____

END OF PAPER

Setters: Mdm Chou Shin Chieh
Ms Mavis Tan

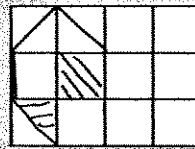


ANSWER SHEET

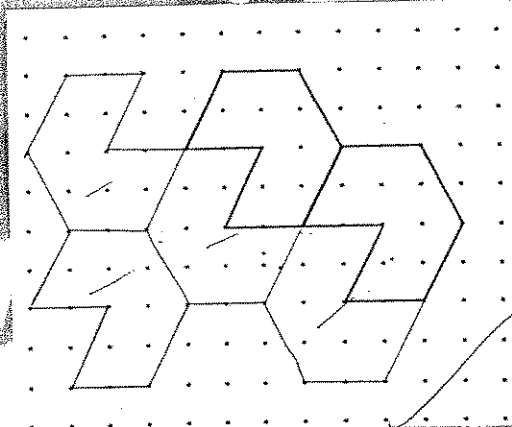
NANYANG PRIMARY SCHOOL - PRIMARY 4 MATHEMATICS 2007
SEMESTRAL ASSESSMENT (2)

- 1. 2
- 2. 3
- 3. 2
- 4. 3
- 5. 1
- 6. 2
- 7. 1
- 8. 4
- 9. 2
- 10. 4
- 11. 1
- 12. 3
- 13. 3
- 14. 2
- 15. 4
- 16. 3
- 17. 2
- 18. 1
- 19. 1
- 20. 4
- 21. $37/12$
- 22. $3\frac{3}{4}$
- 23. 18
- 24. 46.675
- 25. A: 10.12 B: 10.22
- 26. 3.6m
- 27. 5306
- 28. 0850
- 29. 140 min
- 30. $\angle AYE$ and $\angle EYB$

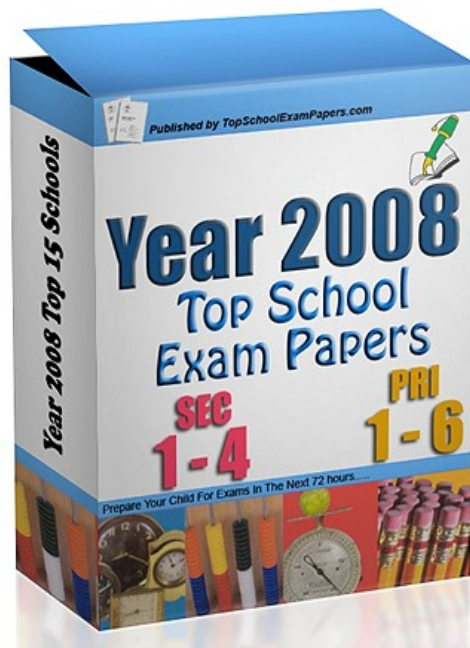
- 31) 1, 3, 7, 21
- 32) \$525
- 33) $\frac{1}{2}$
- 34) 1200m²
- 35) \$46
- 36) 0.25l
- 37)



- 38) 15
- 39) \$22
- 40)



- 41) 135
- 42) a) September and October
- 43) a) 10.5h
b) \$16.50
- 44) 44, 35, 53, 55, 54, 45
- 45) a) 1600
b) 4000



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