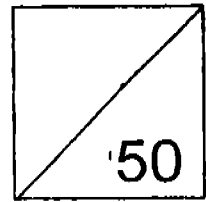


Methodist Girls' School (Primary)
2005 Continual Assessment 1
Mathematics
Primary 5



Name : _____

Marks :

Class : Pri 5 . _____

Duration: 1 hour 30 minutes

Section A: (18 marks)

Questions 1 to 9 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.

1. Which of the following when rounded off to the nearest ten thousand gives 1 000 000 as the answer?

- (1) 986 760
(2) 1 004 683
(3) 1 040 000
(4) 9 989 999

()

2. 9 thousands, 40 hundreds, 24 tens and 30 ones add up to _____.

- (1) 9 454
(2) 13 270
(3) 94 270
(4) 9 402 430

()

3. Which is the best estimate for the product of 57 and 694?

- (1) 50 x 600
(2) 50 x 650
(3) 60 x 600
(4) 60 x 700

()

4. Find the sum of 74 637 and 156 763. Round off your answer to the nearest thousand.

- (1) 230 000
(2) 231 000
(3) 231 400
(4) 232 000

()

5. The product of two whole numbers is 2 050. If one of the numbers is 25, what is the other number?

- (1) 10
- (2) 12
- (3) 80
- (4) 82

()

6. Rachel bought a computer. She paid a monthly instalment of \$75 for it. How much did the computer cost if she took 2 years to pay for it?

- (1) \$ 150
- (2) \$ 450
- (3) \$ 1 500
- (4) \$ 1 800

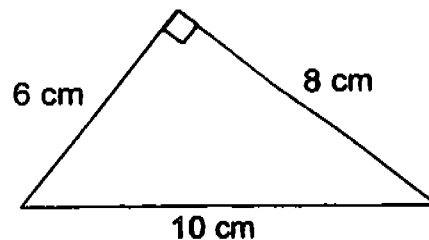
()

7. The breadth of a rectangle is 11 cm shorter than its length. Find the area of the rectangle if its length is 37 cm.

- (1) 286 cm²
- (2) 407 cm²
- (3) 481 cm²
- (4) 962 cm²

()

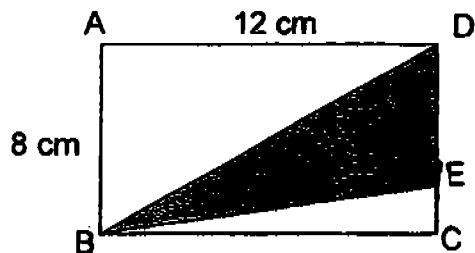
8. The area of the right-angled triangle is _____.



- (1) 24 cm²
- (2) 30 cm²
- (3) 40 cm²
- (4) 48 cm²

()

9. ABCD is a rectangle. CE is 2 cm. Find the area of the shaded part.



- (1) 12 cm^2
(2) 24 cm^2
(3) 36 cm^2
(4) 48 cm^2

()

Section B: (7 marks)

Questions 10 to 16 carry 1 mark each. Write your answers in the spaces provided. Give your answers in the units stated.

10. Write five million, thirteen thousand, six hundred and twelve in numerals.

Ans: _____

11. Complete the number pattern.

42 000, 21 000, 10 500, , 2 625

What is the missing number in the box?

Ans: _____

12. Find the value of $84 \div (42 - 34 + 6) \times 2$.

Ans: _____

13. Seven students lined up in a row and spaced out equally. The distance between the first student and the fourth student was 6 metres. What was the distance between the second student and the last student?

Ans: _____ m

14. Express 5 400 seconds in minutes.

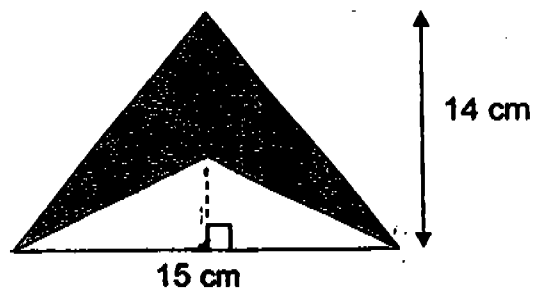
Ans: _____ mins

15. What is the missing number in the box?

$$2\,000 \times 42 = 40 \times 2\,000 + 4 \times \boxed{}$$

Ans: _____

16. Find the total area of the shaded region in the diagram.



Ans: _____ cm²

Section C: (25 marks)

For questions 17 to 23, show your workings clearly in the space provided. The number of marks available is shown in brackets [] at the end of each question or part-question.

17. Noraini and Sarah each had the same number of soft toys. If Sarah gave away 6 of her soft toys and Noraini gave away 24 of her soft toys, Sarah would have three times as many soft toys as Noraini. How many soft toys did each girl have at first?

Ans: _____ [3]

18. 1 359 purple, white and red balloons were used to decorate a school hall. Twice as many purple balloons as white balloons were used. The number of red balloons was half the total number of purple and white balloons. How many purple balloons were used?

Ans: _____ [3]

19. Mr Chandra, a shopkeeper, had 15 large packets and 25 medium packets of sweets. There were 125 sweets in each large packet and 75 sweets in each medium packet. He repacked all the sweets into small packets of 12 sweets each. How many sweets were left unpacked?

Ans: _____ [3]

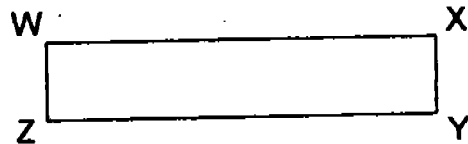
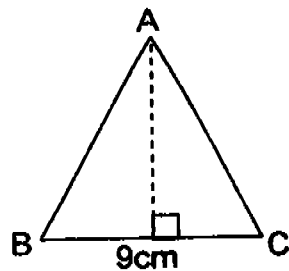
20. Santhi bought 4 kg of chicken which cost \$16 and some fish. If 1 kg of chicken costs twice as much as the cost of 1 kg of fish, how many kilograms of fish did she buy if she spent \$34 altogether?

Ans: _____ [4]

21. Paul and Joyce had 25 comic books altogether.
Paul and Mark had 52 comic books altogether.
Mark had 4 times as many comic books as Joyce.
What is the difference between the number of books that Paul and Mark have?

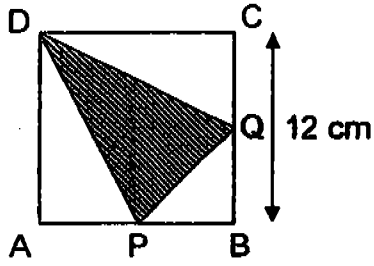
_____ [4]

22. The height of triangle ABC is twice the breadth of rectangle WXYZ.
The perimeter of the rectangle is 40 cm. Its length is 3 times its breadth.
Find the area of the triangle.



Ans: _____ [4]

23. In the figure below, ABCD is a square of side 12 cm. P is the midpoint of AB and Q is the midpoint of BC. Find the area of the shaded part of this figure.



Ans: _____ [4]

– END OF PAPER –

Methodist Girls Primary School

Primary 5 Maths CA1 Exam (2005)

Exam Solutions

Answer Sheets

Q1	Q2	Q3	Q4	Q5
2	2	4	2	4
Q6	Q7	Q8	Q9	Q10
4	4	1	3	5013612
Q11	Q12	Q13	Q14	Q15
5250	12	10	90	1000
Q16	Q17	Q18	Q19	Q20
60cm²	33 soft toys	604 purple balloons	6 sweets	9kg of fish
Q21	Q22	Q23		
20 comic books	45cm²	54cm²		

SAT

METHODIST GIRLS' SCHOOL (Primary)
Mid-Year Examination 2005
Primary 5

Mathematics

Booklet A

Name: _____ ()

Class: P 5. _____

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

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

FOLLOW THE INSTRUCTIONS CAREFULLY.

ANSWER ALL QUESTIONS.

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

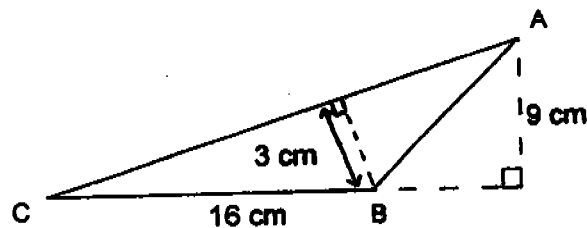
1. What must be added to 99 to make one million?

- (1) 99 001
- (2) 99 901
- (3) 999 001
- (4) 999 901

2. The area of a rectangular wooden plank is 884 cm^2 . Find its length if the breadth is 13 cm.

- (1) 17 cm
- (2) 34 cm
- (3) 68 cm
- (4) 136 cm

3. Find the area of triangle ABC below.



- (1) 24 cm^2
- (2) 48 cm^2
- (3) 72 cm^2
- (4) 144 cm^2

4. A figure is made up of three similar triangles, each with a height of 6 cm and a base of 40 cm. Find the total area of this figure.

- (1) 120 cm^2
- (2) 240 cm^2
- (3) 360 cm^2
- (4) 720 cm^2

5. How many quarters are there in $5\frac{1}{2}$? $\frac{2}{4}$

- (1) 7
- (2) 8
- (3) 11
- (4) 22

6. Find the value of $\frac{2}{3} + \frac{1}{4} + \frac{3}{8}$.

- (1) $\frac{1}{4}$
- (2) $\frac{6}{15}$
- (3) $1\frac{7}{24}$
- (4) $3\frac{1}{24}$

7. The difference between $2\frac{4}{5}$ and $1\frac{1}{3}$ is _____.

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

8. $7 : \square = 63 : 27$. What is the missing number in the box?

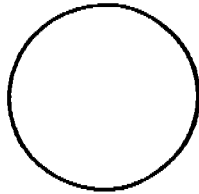
- (1) 6
- (2) 9
- (3) 3
- (4) 4

9. Ian is 108 cm tall and Zack is 24 cm taller.
Find the ratio of Ian's height to Zack's height.

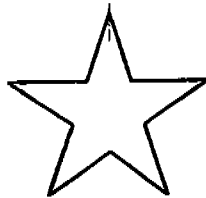
- (1) 1 : 3
- (2) 9 : 2
- (3) 9 : 7
- (4) 9 : 11

10. Which of the figures below has no line of symmetry?

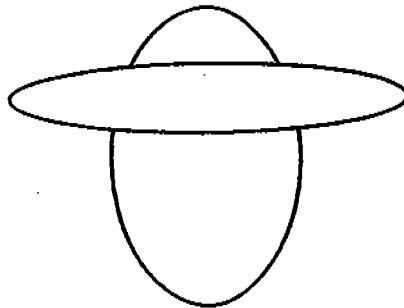
(1)



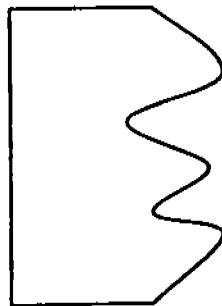
(2)



(3)



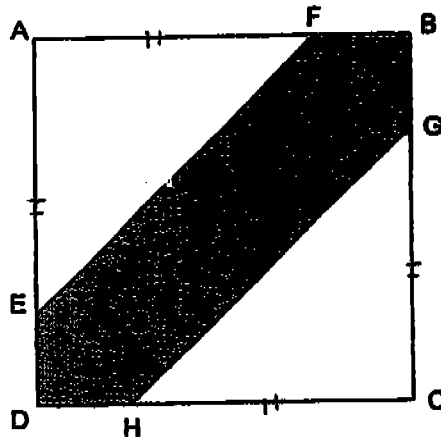
(4)



11. Find the sum of the first 2 common multiples of 5 and 10.

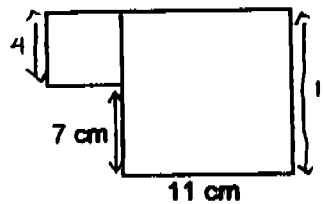
- (1) 6
- (2) 15
- (3) 30
- (4) 50

12. ABCD is a square of side 20 cm.
If $AF = AE = CG = CH = 16$ cm, find the area of the shaded part.



- (1) 128 cm^2
- (2) 144 cm^2
- (3) 256 cm^2
- (4) 272 cm^2

13. The following figure is made up of 2 squares. What is the area of the figure?



- (1) 52 cm^2
- (2) 60 cm^2
- (3) 137 cm^2
- (4) 170 cm^2

14. $\frac{1}{5}$ of a pie is shared equally between 2 children.
What fraction of the pie will each child get?

- (1) $\frac{1}{25}$
- (2) $\frac{1}{10}$
- (3) $\frac{1}{7}$
- (4) $\frac{2}{5}$

15. The total weight of Daryl, Esau and Faber is 117 kg.
Their weights are in the ratio 4 : 3 : 6 respectively.
What is Esau's weight?

- (1) 9 kg
- (2) 27 kg
- (3) 36 kg
- (4) 54 kg

METHODIST GIRLS' SCHOOL (Primary)
Mid-Year Examination 2005
Primary 5

Mathematics

Booklet B1

Name: _____ ()

Class: P 5. _____



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

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

FOLLOW THE INSTRUCTIONS CAREFULLY.

ANSWER ALL QUESTIONS.

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

16. What is the smallest even number that can be formed by using the digits 1, 6, 7, 4 and 2?

Ans: _____

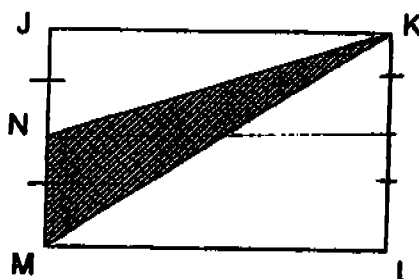
17. A pen costs 50 cents. Sooraj has \$7.85.
What is the maximum number of pens he can buy?

Ans: _____

18. Find the value of $(84 + 6 \times 2) \div 3 + 2$.

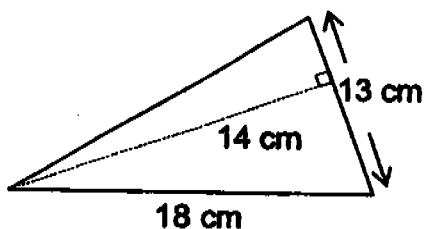
Ans: _____

19. The area of rectangle JKLM is 144 cm^2 .
Find the area of the shaded triangle KMN.



Ans: _____ cm^2

20. Find the area of this triangle.



Ans: _____ cm^2

21. Juliana poured 2 litres of fruit punch equally into 3 jugs.
How much fruit punch was there in each jug?

Ans: _____ litres

22. Arrange the fractions in increasing order.

$$\frac{27}{6}, 4\frac{4}{9}, 4\frac{1}{3}$$

Ans: _____


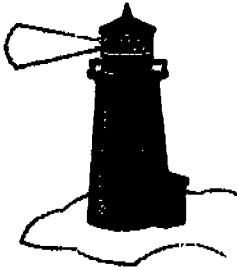

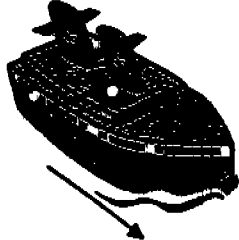


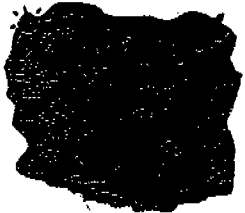
23. What is $\frac{3}{7}$ of 2 h 20 min?

Ans: _____ min

24. If $\star : 3 : 5 = 80 : 12 : \star$, what does \star represent?

Ans: _____

25. A ship was facing the beach at the beginning.
 It then turned 90° anti-clockwise. What object is it facing now?

	 The Sun	 Lighthouse	
 Coconut Tree	 The Ship		 Dolphins
	 Seagulls		 The Beach

Ans: _____

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

(20 marks)

26. 4 teams played in a basketball tournament.
Each team played a match against every other team once.
How many matches were played in total?

Ans: _____

27. Joyce has to climb 16 steps to get from one storey to another. How many steps does she have to climb to get from the 3rd storey to the 10th storey?

Ans: _____

28. Amber poured $2\frac{2}{5}$ l of water into an empty tank.
 She needed another $3\frac{3}{4}$ l to fill the tank completely.
 What is the capacity of the tank?

Ans: _____ l

29. Mary ate $\frac{1}{8}$ of a pie and Jessie ate $\frac{1}{5}$ of the remaining pie.
 What fraction of the pie was left? Express the fraction in its simplest form.

Ans: _____

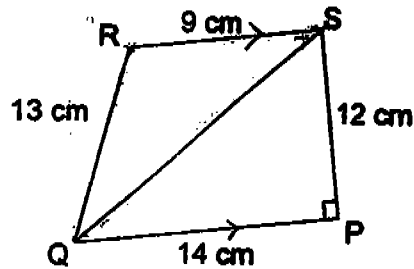
30. Zariq has $\frac{1}{3}$ as many marbles as Bala.
 If they have 48 marbles altogether, how many marbles does Bala have?

Ans: _____

31. The length of a rectangle is three times its breadth. If its perimeter is 56 cm, find its area.

Ans: _____ cm²

32. The figure shows a trapezium. Find the area of triangle QRS.



Ans: _____ cm²

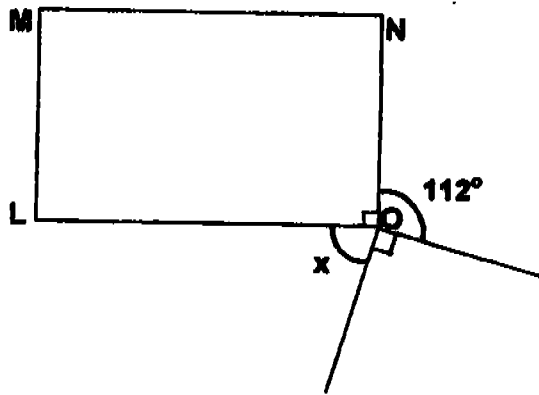
33. The difference between the length and the breadth of a rectangle is 32 cm. The ratio of the length to the breadth is 5 : 1. What is the area of the rectangle?

Ans: _____ cm²

34. The ratio of Raja's age to his father's age is 2 : 9.
Raja's father is 45 years old now.
What will be the ratio of Raja's age to his father's age 4 years from now?
Express your answer in the simplest form.

Ans: _____

35. The figure below is not drawn to scale. LMNO is a rectangle.
Find $\angle x$.



Ans: _____

METHODIST GIRLS' SCHOOL (Primary)
Mid-Year Examination 2005
Primary 5

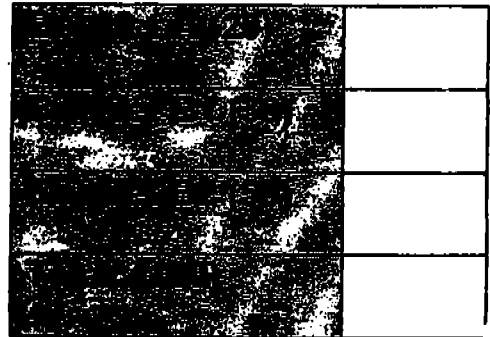
Mathematics

Booklet B2

Name: _____ ()

Class: P 5. _____

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



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

FOLLOW THE INSTRUCTIONS CAREFULLY.

ANSWER ALL QUESTIONS.

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

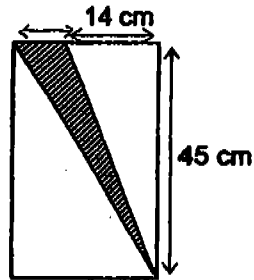
36. Siti paid \$612 for a digital camera and a rice cooker.
The digital camera cost 5 times as much as the rice cooker.
Find the difference between the cost of the digital camera and the rice cooker.

Answer: _____ [3]

37. A table and 4 similar chairs cost \$655. The table cost \$140 more than a chair. What was the cost of the table?

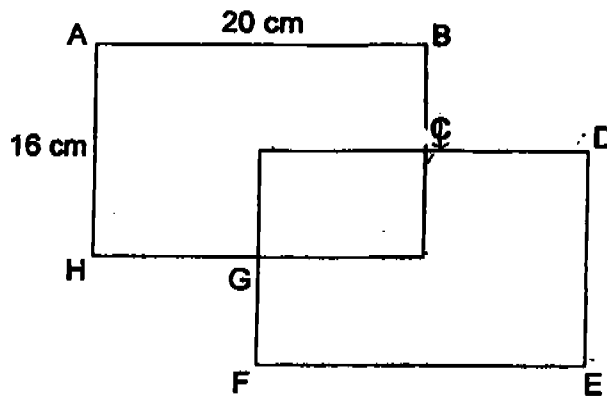
Answer: _____ [3]

38. If the perimeter of the whole rectangle is 130 cm, find the area of the shaded triangle.



Answer: _____ [3]

39. The figure below is made up of 2 identical overlapping rectangles in which BC is half of AH and CD is half of EF. What is the area of the figure?



Answer: _____ [3]

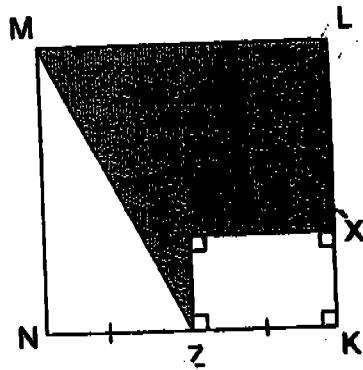
40. A carpenter painted 86 chairs on Thursday. He painted $\frac{2}{5}$ of the remainder on Friday. If he still had 54 chairs to paint on Saturday, how many chairs did he paint altogether on the three days?

Answer: _____ [3]

41. In a dance event, $\frac{4}{7}$ the number of female dancers is equal to $\frac{1}{4}$ the number of male dancers. The total number of people dancing is 253. How many more male than female dancers are there?

Answer: _____ [3]

42. The perimeter of square KLMN is 24 m. Given that XL is twice the length of KX, find the area of the shaded part.



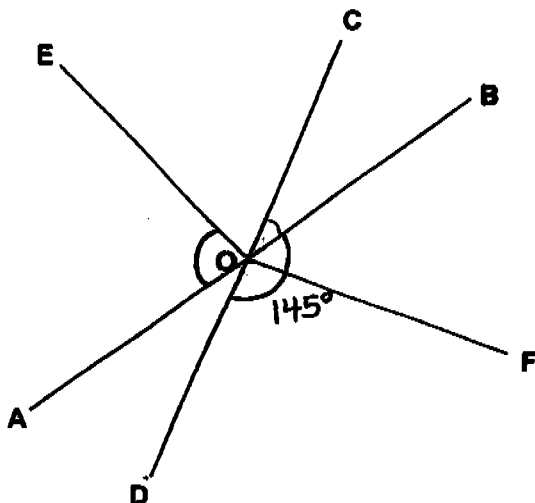
Answer: _____ [4]

43. 168 coloured beads were shared among Alice, Bina and Cathy in the ratio 5 : 1 : 6.
- a) How many beads did Bina and Cathy get altogether?
 - b) Alice and Cathy each gave Bina some beads so that all three of them had the same number of beads. How many beads did Cathy give Bina?

Answer: (a) _____ [2]

(b) _____ [2]

44. In the figure below, not drawn to scale, AB and CD are straight lines.
 $\angle DOB$ is 145° .
- a) Name another angle that is equal to $\angle DOB$
b) If $\angle COE$ is 2 times the size of $\angle BOC$, find $\angle AOE$.



Answer: (a) _____ [1]

(b) _____ [3]

45. Marie bought a large bouquet of flowers. $\frac{2}{5}$ of the flowers were daisies and the rest were orange and purple tulips in the ratio 4 : 5.
- a) What fraction of the flowers were orange tulips?
 - b) There were 8 more purple tulips than orange tulips. How many flowers were there in the bouquet?

Answer: a) _____ [1]

b) _____ [3]

46. Daud takes 14 days to finish reading a book if he reads 12 pages each day.
- a) If he wants to finish reading the book 6 days earlier, how many pages must he read each day?
 - b) If he reads 7 pages each day, how many more days will he take to finish reading the book?

Answer: a) _____ [3]

b) _____ [2]

47. Joel spent \$209 on a pair of jeans. He spent $\frac{1}{10}$ of his remaining money on a wallet. If he had $\frac{3}{7}$ of his money left, how much money did Joel have at first?

Answer: _____ [5]

48. Container A and Container B are identical.
Container A is $\frac{1}{2}$ filled with sand while Container B is $\frac{1}{5}$ filled with sand.
The ratio of the total mass of Container A and its contents to the total mass of Container B and its contents is 7 : 5.
The total mass of the two containers with their contents is 1440 g.
What is the mass of each empty container?

Answer: _____ [5]

Methodist Girls Primary School
Primary 5 Maths SA1 Exam (2005)

Exam Sheet

Answer Sheets

Q1	Q2	Q3	Q4	Q5
4	3	3	3	4
Q6	Q7	Q8	Q9	Q10
3	3	3	4	4
Q11	Q12	Q13	Q14	Q15
3	2	3	2	2

- | | |
|--|--------------------------------------|
| 16. 12476 | 33. 320 |
| 17. 15 pens | 34. 2 : 7 |
| 18. 34 | 35. 68 |
| 19. 36cm ² | 36. \$408 |
| 20. 91 | 37. \$243 |
| 21. $\frac{2}{3}$ | 38. 135cm ² |
| 22. $4\frac{1}{3}$, $4\frac{4}{9}$, $\frac{27}{6}$ | 39. 560cm ² |
| 23. 60 minutes | 40. 176 chairs |
| 24. 20 | 41. 99 more |
| 25. Lighthouse | 42. 21m ² |
| 26. 6 games | 43. a) 98 beads b) 28 beads |
| 27. 112 steps | 44. a) Angle AOC b) 75° |
| 28. $6\frac{3}{20}$ | 45. a) $\frac{4}{15}$ b) 120 flowers |
| 29. $\frac{7}{10}$ | 46. a) 21 pages b) 10 more days |
| 30. 36 marbles | 47. \$399 |
| 31. 147 | 48. 440g |
| 32. 54 | |