METHODIST GIRLS' SCHOOL (Primary)
2009 Mid-Year Examination
Primary 5

MATHEMATICS

PAPER 1
(BOOKLET A)

Name:_____ (   )

Class: P 5._____

Booklet A (20)	

Total time for Booklets A and B: 50 min

Do not turn over this page until you are told to do so.

Follow all instructions carefully.

Answer all questions.

You are **not** allowed to use a calculator.

This booklet consists of 6 printed pages.

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

(20 marks)

---

1. Find the value of $24 + 36 \div (6 - 2) \times 3$.

   (1) 5
   (2) 45
   (3) 51
   (4) 99

2. John wanted to use his calculator to add 31 249 and 627. He entered 31 449 and 627 by mistake. What could he do to correct the mistake?

   (1) Add 2.
   (2) Subtract 2
   (3) Add 200
   (4) Subtract 200

3. In $\dfrac{5}{8} = \dfrac{5 + 10}{8 + \square}$, the missing number in the box is _____.

   (1) 10
   (2) 14
   (3) 16
   (4) 24

4. What is the value of $120.36 \div 60$?

   (1) 0.26
   (2) 2.006
   (3) 20.06
   (4) 2006

5. Mrs Ling bought 2 kg of flour. She used $\frac{2}{5}$ of it to make some cakes. How much flour had she left?
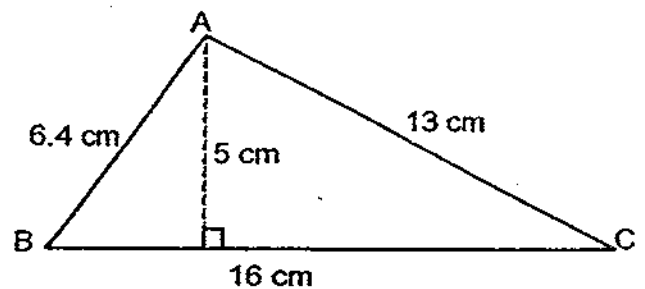
    (1) $\frac{3}{5}$ kg

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

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

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

6. Which one of the following fractions is **greater than** $\frac{1}{2}$?

    (1) $\frac{7}{13}$

    (2) $\frac{4}{19}$

    (3) $\frac{6}{21}$

    (4) $\frac{8}{26}$

7. What is the area of triangle ABC?

    (1)   40 cm²
    (2)   41.6 cm²
    (3)   51.2 cm²
    (4)   104 cm²

8. Miss Chong earns $4 800 a month. The ratio of his expenditure to his savings is 7 : 5. How many months will she take to save $14 000?

    (1) 5
    (2) 7
    (3) 18
    (4) 35

9. Which of the following is **incorrect**?

    (1) 5.2 kg = 5 200 g
    (2) 7.6 ℓ = 7 ℓ 60 ml
    (3) 9 km 301 m = 9 301 m
    (4) 428 cm = 4.28 m

10. 8.3 ℓ of milk is poured into 10 bottles equally. Find the volume of milk in each bottle in *ml*.

    (1) 0.83 *ml*
    (2) 83 *ml*
    (3) 830 *ml*
    (4) 8 300 *ml*

11. The ratio of the number of children to the number of adults at Sentosa on a Saturday morning was 7 : 4. There were 252 adults.
    The ratio of the number of boys to the number of girls was 2 : 7.
    How many **more** girls than boys were at Sentosa on Saturday morning?

    (1) 80
    (2) 112
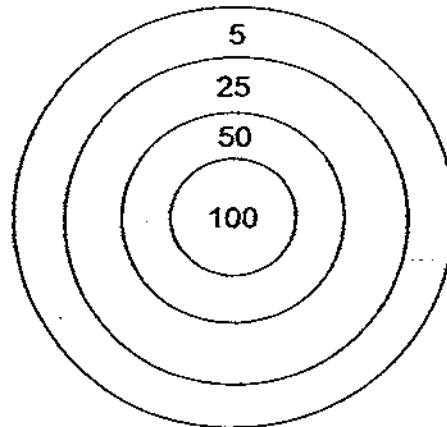   (3) 245
    (4) 315

12.

3 lollipops for $5.00
or 1 lollipop for $2.00
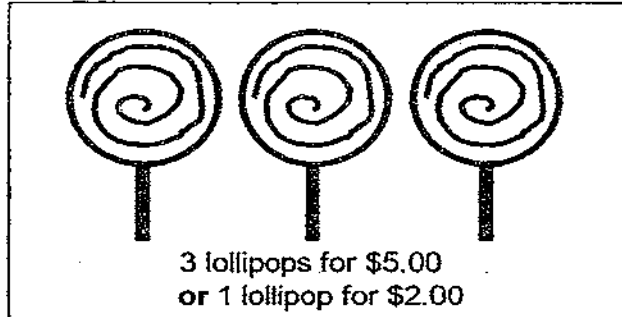
John wants to buy some lollipops. What is the greatest number of lollipops he can buy with $28?

(1)   5
(2)   14
(3)   15
(4)   16

13.   The picture below shows a dart board. Benny threw 3 darts and all the 3 darts hit the board. Which of the following is **NOT** likely to be his score?

(1)   75
(2)   80
(3)   125
(4)   135

5
25
50
100

14. The perimeter of a rectangle is $\frac{5}{6}$ m. The length of the rectangle is $\frac{1}{3}$ m. What is the area of the rectangle?

   (1) $\frac{1}{6}$ m²

   (2) $\frac{1}{12}$ m²

   (3) $\frac{1}{18}$ m²

   (4) $\frac{1}{36}$ m²

15. Four girls measured the height of a plant. Their results are shown below. Who measured the tallest plant?

Girl	Height of Plant
Queenie	68 cm
Rosemary	0.95 m
Sally	1 m 25 cm
Tavia	1.08 m

   (1) Queenie
   (2) Rosemary
   (3) Sally
   (4) Tavia

End of Paper

METHODIST GIRLS' SCHOOL (Primary)
2009 Mid-Year Examination
Primary 5

MATHEMATICS

PAPER 1
(BOOKLET B)

Name: _____ (   )

Class: P 5. _____

Booklet B (20)	

Total time for Booklets A and B: 50 min

Do not turn over this page until you are told to do so.

Follow all instructions carefully.

Answer all questions.

You are **not** allowed to use a calculator.

This booklet consists of 6 printed pages.

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. $810\,000 \div \boxed{} = 900$

What is the missing number in the box?

Ans: _____

17. Write one million, fifty thousand and twenty in numerals.

Ans: _____

18. What fraction is halfway between $\frac{2}{3}$ and $\frac{2}{5}$? Express the fraction in the simplest form.

Ans: _____

19. Express $5\frac{4}{7}$ as a decimal. Round off your answer to 2 decimal places.

Ans: _____

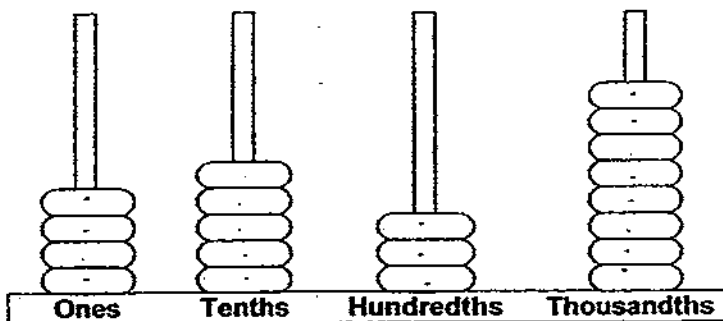20. How many sixths are there in $4\frac{2}{3}$?

Ans: _____ sixths

21. $52.804 = 52 + \dfrac{\boxed{}}{1000}$. What is the missing number in the box?

Ans: _____

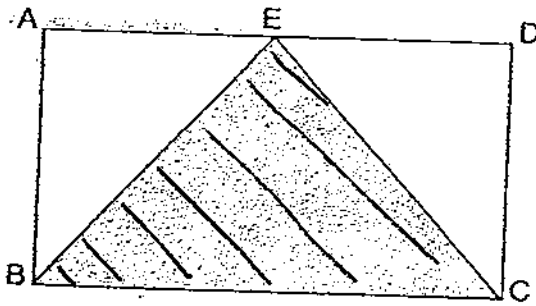22. The picture below shows a bead counter. What is the number shown on the bead counter?

| Ones | Tenths | Hundredths | Thousandths |

Ans: _____

Go to Page 4

23. A pile of 1 000 sheets of paper is 10 cm high. What is the thickness of 300 sheets of paper?

Ans:_____ cm

24. The area of triangle EBC is 120 cm². Find the area of rectangle ABCD.

Ans:_____cm²

25. Daniel divided 36 oranges equally into some bags. He then divided 27 mangoes equally into the same bags. There was no fruit left over.
What was the smallest number of oranges and mangoes that he could have put into each bag?

Ans:_____oranges and _____ mangoes

Questions **26** to **30** 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.

<div align="right">(10 marks)</div>

26. A 5-digit number when rounded off to the nearest ten thousand is 80 000.

    (a) What is the smallest possible number?

    (b) What is the largest possible number?

    <div align="right">Ans: (a)_____</div>

    <div align="right">(b)_____</div>

27. $170 \times 33 = 170 \times \boxed{} \times 0.33.$

    What is the missing number in the box?

    <div align="right">Ans: _____</div>

28. Mrs Lee used $\frac{3}{5}$ of a packet of sugar to bake a cake. $\frac{1}{2}$ of the remaining sugar weighed 200 g. What was the weight of the packet of sugar at first?
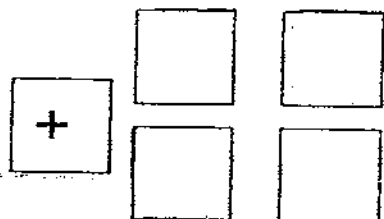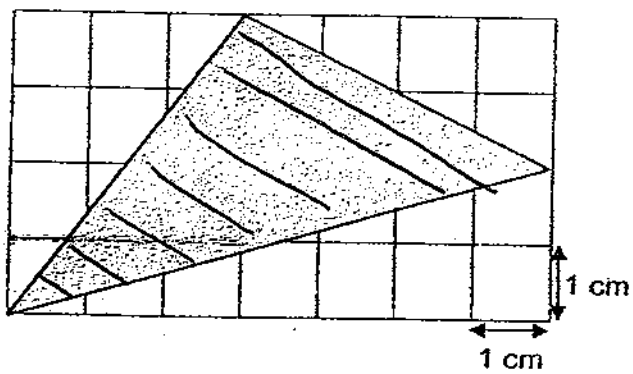
    <div align="right">Ans: _____ g</div>

29.   Here are 4 number tiles.

| 2 | 7 | 3 | 5 |

How would you place the 4 number tiles so as to get the largest sum?
Write the number on the tiles below.

+		

_____

30.   Find the area of the shaded triangle.

1 cm

1 cm

Ans: _____ cm^2

End of Paper

METHODIST GIRLS' SCHOOL (Primary)
2009 Mid-Year Examination
Primary 5

Mathematics

PAPER 2

Name:_____ (   )

Class: P 5.

Time: 1h 40min

Paper 1 Booklet A (20)	
Paper 1 Booklet B (20)	
Paper 2 (60)	
Total: (100)	

Do not turn over this page until you are told to do so.

Follow all instructions carefully.

Answer all questions.

Show your working clearly as marks are awarded for correct working.

Write your answers in this booklet.

You are allowed to use a calculator.

This booklet consists of 12 printed pages.

Questions 1 to 5 carry 2 marks each. Show your working clearly in the space provided for each question and write your answers in the spaces provided.
For questions which require units, give your answers in the units stated.

(10 marks)

1. Raja has some stamps. He pasted all of them in his stamp album. He pasted either 6 or 7 stamps on each page of his stamp album.
   If he has more than 50 but less than 100 stamps, how many stamps did he have?

Ans: _____

2. The figure below shows the different types of fishes found in a particular section of the sea. The shaded bars show the depth at which each type of fish can be found.
   At which depths of the sea can **four** of the different types of fish likely to be found?
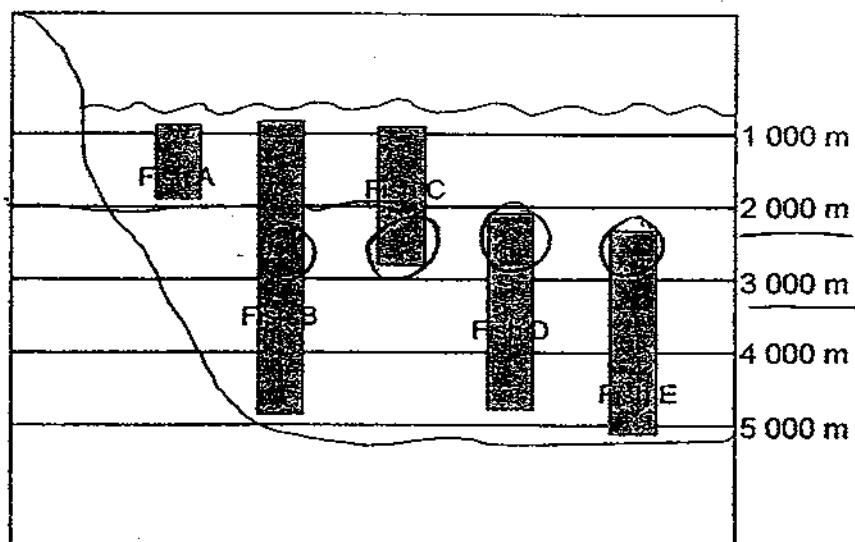
Ans: Between_____ and _____

3. In the diagram below, ABCD is a square. AC = 18 cm.
   Find the area of the triangle ABC.
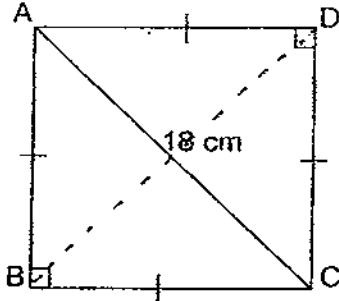
Ans: _____ cm²

4. Jane weighs $\frac{3}{4}$ times as much as Michelle. Michelle weighs $\frac{8}{10}$ times as much as April. If April is 36 kg heavier than Jane, find the difference between Michelle's weight and April's weight.

Ans: _____ kg

5. Cindy was given 2 pizzas. She cut them into 8 equal pieces.
   She ate 2 pieces and shared the remainder equally between her 2 sons.
   What fraction of a pizza did each of her sons get?
   Express your fraction in the simplest form.

Ans: _____

For questions **6** to **18**, show your working clearly in the space provided for each question and write your answers in the spaces provided.
The number of marks available is shown in brackets [   ] at the end of each question or part-question.

(50 marks)

6. Wei Jie has some marbles. If he puts them into 42 boxes of 12 marbles each, he would have 3 marbles left over. If he puts them into boxes of 15 marbles each, how many marbles would be left over?

Ans: _____ (3)

7. A tin contains 8 litres of paint.
    $\frac{5}{8}$ of it are used to paint 4 wooden tables and 2 chairs.

    If the amount of paint needed to paint a wooden table is twice that of a chair, how many chairs can be painted using the remaining paint?

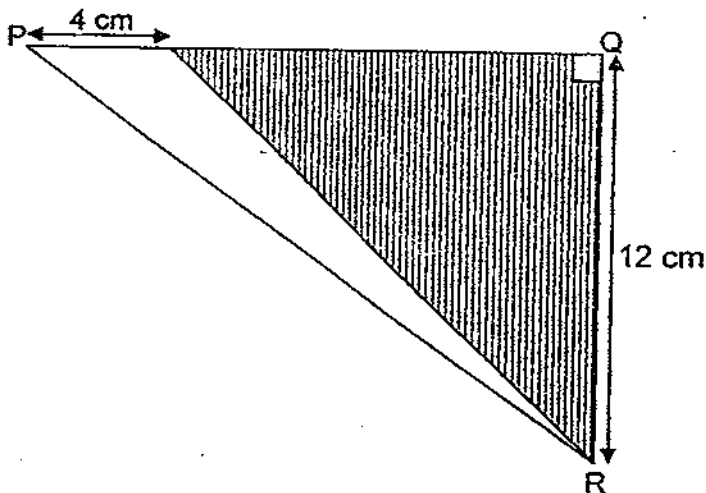Ans: _____ (3)

8. Rani had to take an equal number of pills each day when she was ill.
    After 5 days, she had $\frac{2}{3}$ of the pills left. After another 7 days, she had 21 pills left.
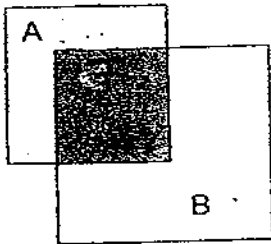   How many pills had she at first?

    Ans: a)_____ (3)

9. The area of the unshaded triangle is $\frac{1}{3}$ the area of the shaded triangle.
    Find the area of triangle PQR.

    Ans: _____ (3)

10. The ratio of unshaded part of Square A to the shaded part is 3 : 5.
The ratio of the unshaded part of Square B to the shaded part is 7 : 4.
What is the ratio of the unshaded part of Square B to the unshaded part of Square A?

Ans: _____ (3)

11. Rahimah earns $8 for every T-shirt that she sells. She earns an additional $20 for every 6 T-shirts sold. How many T-shirts must she sell to earn $476?

Ans: _____(4)

12. Container A ~~has~~ had 45.6 ℓ of water and Container B ~~has~~ had 2.4 ℓ of water. An equal amount of water was poured into each container. The amount of water in Container A ~~is~~ was then 6 times that in Container B. How much water did Jane pour into each container?

Ans: _____(4)

13. Arnold has some 50-cent coins and Weili has some 20-cent coins.
Arnold has 5 fewer coins than Weili.
However, the amount of money Arnold has is $2.60 more than the amount of money Weili has.

(a) How much money does Arnold have?
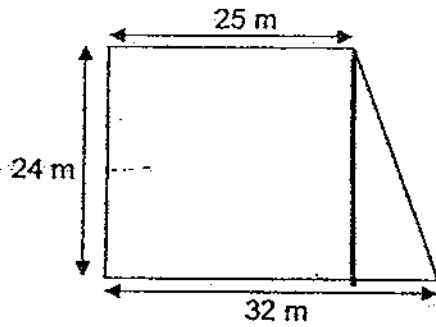
(b) How many 20-cent coins does Weili have?

Ans: (a) _____(3)

(b) _____(1)

14. The figure below shows the plan of a garden.

    (a) What is the area of the garden?

    (b) If the cost of laying carpet grass is $25 per square metre, how much will it cost to lay carpet grass in the whole garden?

Ans: (a)_____(3)

      (b)_____(1)

15. Kenneth spent $\frac{1}{4}$ of his money on a book, $\frac{1}{8}$ of it on a magazine and $\frac{3}{5}$ of the remainder on a dictionary. If he spent $12 more on the dictionary than on the magazine, how much money had he at first?

Ans: _____ (4)

16. A fruit seller had a total of 252 apples and oranges.

    After he had sold $\frac{1}{4}$ of the apples and $\frac{7}{8}$ of the oranges, he had an equal number of apples and oranges left.

    (a) How many apples did he have at first?

    (b) How many oranges does he have now?

Ans: (a)_____(3)

(b)_____(2)

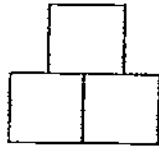17. The following figures are made up of 2-cm squares.
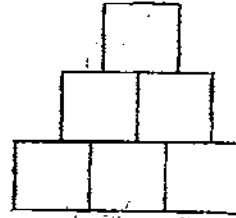

Figure 1   Figure 2   Figure 3

(a)   What is the perimeter of Figure 3?

(b)   How many squares are there in Figure 6?

(c)   Which figure has an area of 220 cm²?

Ans: (a)_____ (1)
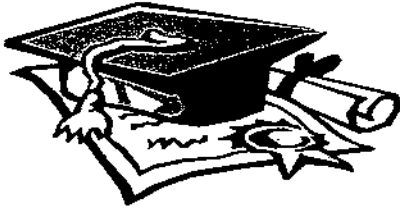
(b) _____(2)

(c) _____(2)

18. Elsie had $320 less than Grace. Elsie gave Grace $170. Now the ratio of Elsie's money to Grace's money is 3 : 5. How much money did Elsie have at first?
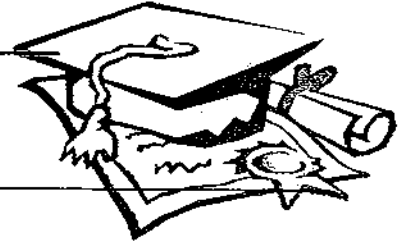
Ans: _____ (5)

End of Paper

ANSWER SHEET

SCHOOL   : M G S PRIMARY SCHOOL
SUBJECT : PRIMARY 5 MATHEMATICS

TERM   : SA 1

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
3	4	3	2	3	1	1	2	2	3	3	4	4	4	3

16)900   17)1050020   18)8/15   19)5.57   20)28

21)804   22)4.538   23)3cm   24)240   25)4 and 3

26)a)75000   b)84999   27)100   28)1000g   29)73+52

30)11

Paper 2

1)84	2)2000m and 3000m
3) ½ x 18x9=81cm₂	4)36÷4=9 2x9=18kg
5) ¾	6)42x12=504 504+3=507 507÷15=33R12 12 marbles would be left over.
7)8÷8=1 1x5=5 5÷10= ½ 1x3=3 3÷ ½ =6 6 chairs can be painted	8)7-5=2 5-2=3 21÷3=7 7x5=35 3x35=105 She had 105 pills at first.

9) ½ x4x12=24 24x4=96 The area of triangle PQR is 96cm$_2$	10)The ratio is 35:12
11)(6x8)+20=68 476÷68=7 7x6=42 She must sell 42 T-shirts.	12)45.6L-2.4L=43.2L 43.2L÷5=8.64L 8.64L-2.4L=6.24L Jane poured 6.24L into each container.
13)a)12x$0.50=$6 12+5=17 17x$0.20=$3.40 $6-$3.40=$2.60 Arnold has $6 b)12+5=17 Weili has 17 20-cent coins.	14)a)32m-25m=7m ½ x7x24=84 24x25=600 600+84=684m$_2$ The area of the garden is 684m$_2$ b)684x$25=$17100 It will cost $17100 to lay carpet grass in the whole garden.
15)3-1=2 $12÷2=$6 8x$6=$48 He had $48 at first.	16)a)252÷28=9 4x9=36 He had 36 apples at first. b)3x9=27 He had 27 oranges now.
17)a)2÷2=1 1+2+2+2+2+2+1+2+1+2 +2+2+1+2=24 The perimeter of Figure 3 is 24cm b)1+2+3+4+5+6=21 The are 21 squares in Figure 6. c)2x2=4 220÷4=55 1+2 to 10=55 Figure 10 has an area of 220cm$_2$	18)5-3=2 $320+$170+$170=$660 $660÷2=$330 3x$330=$990 $990+$170=$1160 Elsie had $1160 at first.