

METHODIST GIRLS' SCHOOL (Primary)  
End-of-Year Examination (2008)  
Primary 3

MATHEMATICS

Name: \_\_\_\_\_ ( . )

Class: P3. \_\_\_\_\_

Date: 6 October 2008

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Marks Obtained:

Section A	
Section B	
Total	

This booklet consists of 18 printed pages.

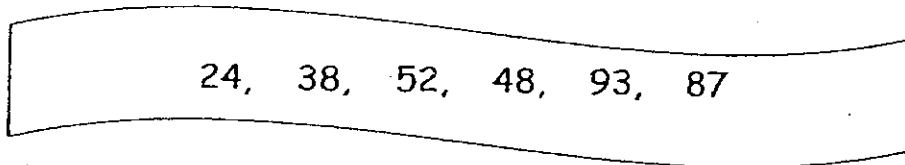
**Section A** (20 x 2 marks)

For each of the following questions, four options are given. Choose the most suitable option and shade your answer in the Optical Answer Sheet (OAS) provided.

1. Which one of the following has the same value as 4 180?

- (1)  $400 + 10 + 8$
- (2)  $4\ 000 + 10 + 8$
- (3)  $4\ 000 + 100 + 8$
- (4)  $4\ 000 + 100 + 80$

2. In the set of numbers given below, how many of them do not give a remainder when divided by 4?



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

3. The product of two numbers is 195. If one of the numbers is 5, what is the other number?

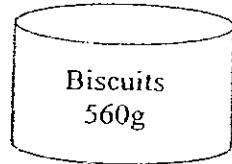
- (1) 19
- (2) 34
- (3) 35
- (4) 39

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4. There are 44 blouses on a rack. 14 of them are red, 6 are blue, 12 are green and the rest are yellow. Which of the following shows how to work out the number of yellow blouses?
- (1)  $44 \div 4$
  - (2)  $14 + 6 + 12$
  - (3)  $44 - 14 + 6 + 12$
  - (4)  $44 - 14 - 6 - 12$
5. Raju bought a pen for \$12.50 and a book for \$7.90. He gave the cashier 2 ten-dollar notes and 1 two-dollar note. How much change should he get?
- (1) \$20.40
  - (2) \$ 2.60
  - (3) \$ 2.40
  - (4) \$ 1.60
6. How many 5-cent coins give a value of \$0.85?
- (1) 85
  - (2) 17
  - (3) 16
  - (4) 15
7. Express 2 kg 50 g in grams.
- (1) 250 g
  - (2) 2 005 g
  - (3) 2 050 g
  - (4) 2 500 g

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8. A tin of biscuits is twice as heavy as a packet of sugar. What is the mass of three packets of sugar?



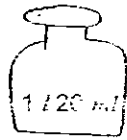
- (1) 280 g  
(2) 560 g  
(3) 840 g  
(4) 1 120 g
9. Express 3 180m in km and m.
- (1) 3 km 180 m  
(2) 31 km 8 m  
(3) 31 km 80 m  
(4) 318 km 0 m
10. The capacity of a container is 240 *ml*. 6 spoonfuls of water will fill it to its halfway mark. What is the capacity of the spoon?
- (1) 120 *ml*  
(2) 60 *ml*  
(3) 40 *ml*  
(4) 20 *ml*

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11. The following bottles are completely filled with water. The capacity of each bottle is shown on the label. Which bottle holds the least amount of water?



Bottle A



Bottle B



Bottle C



Bottle D

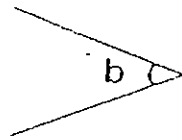
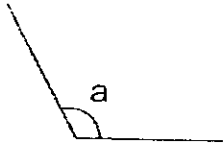
- (1) Bottle A  
 (2) Bottle B  
 (3) Bottle C  
 (4) Bottle D
12. The table below shows the time taken by 3 runners to finish a race. Arrange the names of the runners beginning with the fastest runner.

Ali	75 min
Beng	1 h 10 min
Chong	100 min

- (1) Ali, Beng, Chong  
 (2) Beng, Ali, Chong  
 (3) Chong, Beng, Ali  
 (4) Ali, Chong, Beng
13. Express 150 min in hours and minutes.
- (1) 1 h 30 min  
 (2) 1 h 50 min  
 (3) 2 h 20 min  
 (4) 2 h 30 min

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14. Which of the following angles is a right angle?



- (1) angle a
- (2) angle b
- (3) angle c
- (4) angle d

15. Which one of the following figures shows that  $\frac{1}{3}$  of it is shaded?

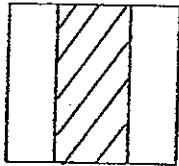


Fig. A

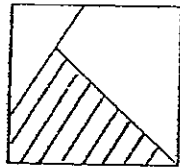


Fig. B

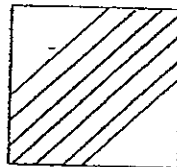


Fig. C

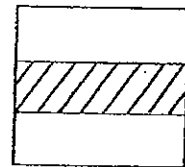


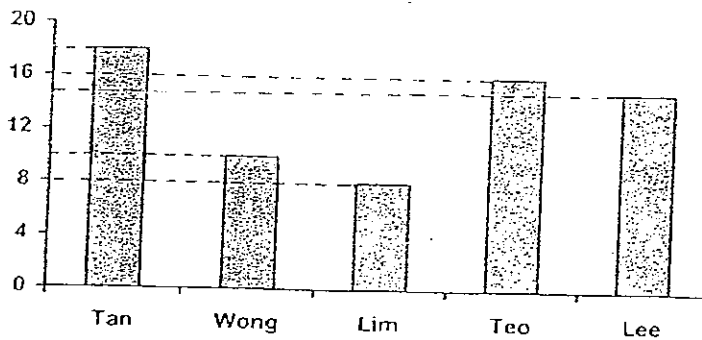
Fig. D

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

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Study the graph below and answer questions 16 and 17.

The graph below shows the number of books owned by 5 children.



16. Who has twice as many books as Lim?
- (1) Tan
  - (2) Wong
  - (3) Teo
  - (4) Lee
17. How many books must Tan give to Wong so that both of them will have the same number of books?
- (1) 8
  - (2) 2
  - (3) 6
  - (4) 4

Go to the next page

18. Which one of the following fractions is equivalent to  $\frac{3}{4}$ ?

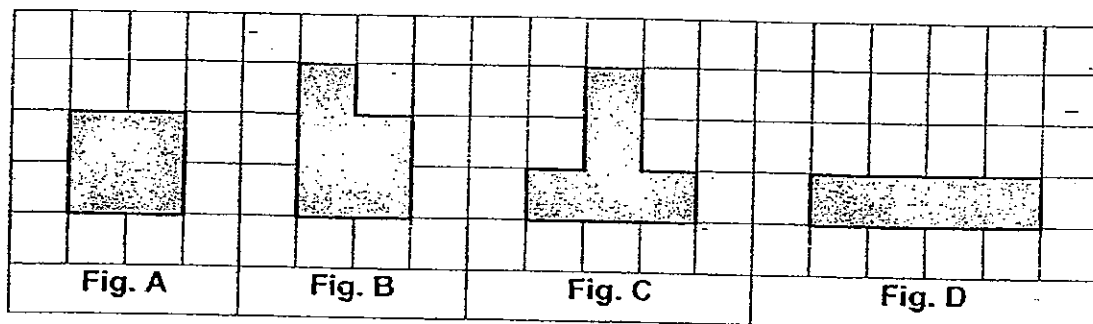
(1)  $\frac{4}{6}$

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

(3)  $\frac{8}{12}$

(4)  $\frac{13}{16}$

19. Which two of the figures below have the same area but different perimeter?

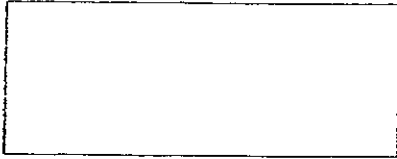


- (1) Figures A and B  
 (2) Figures C and D  
 (3) Figures B and D  
 (4) Figures B and C

Go to the next page



20. The area of a rectangle is  $42 \text{ m}^2$ .  
The length of the rectangle is 7 m.  
What is the breadth of the rectangle?



- (1) 6 m
- (2) 7 m
- (3) 14 m
- (4) 20 m

Go to the next page

**Section B** (20 x 2marks)

For each of the following questions, write your answers in the boxes provided. Give your answers in the units stated. Show your working clearly.

21.  $8 + 8 + 8 + 8 + 8 + 8 = \boxed{\phantom{00}} \times 8 + 32$   
 What is the missing number in the box?

22. In the bird park, there are 9 times as many parrots as eagles. If they are 54 parrots, how many eagles are there?

23. Mrs Lim needs 45 beads to make a bracelet and 89 beads to make a necklace. How many beads would Mrs Lim need if she wants to make 2 bracelets and 1 necklace?

24. Tom is holding a card with a 3-digit number. Base on the following clues, what is the number on Tom's card?
- The digit in the tens place is 2.
  - The digit in the hundreds place is 5.
  - The sum of all the 3 digits is 11.

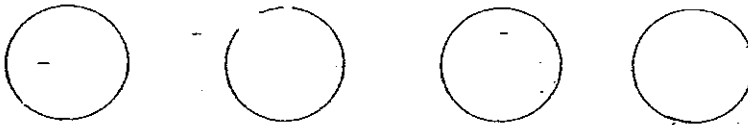
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25. Mengli has 4 one-dollar coins, 3 fifty-cent coins, 12 twenty-cent coins and 6 five-cent coins in her purse. How much money does Mengli have?

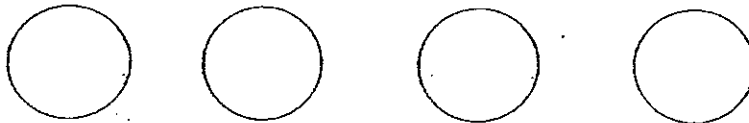
\$
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26. Meili has 4 coins which gives a total value of \$1.60. Write down two possible sets of value of her coins.

Set A



Set B

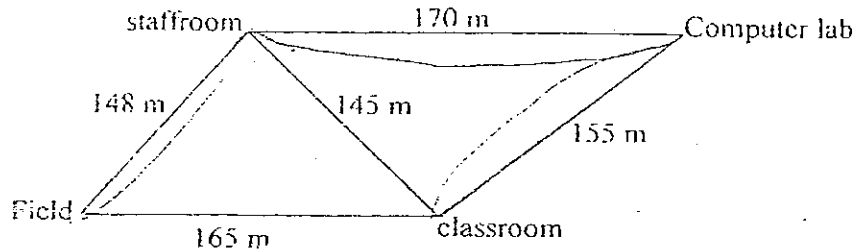


27. The length of a rod is 38 cm. What is the total length of 8 rods placed end to end? (Give your answer in metres and centimetres)

m	cm
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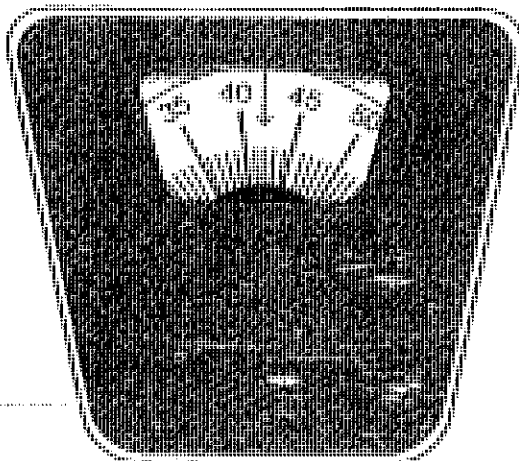
Look at the diagram below and answer question 28.



28. Gopal walked from his classroom to the computer laboratory for his lesson. After his lesson, he went to the staffroom to hand in his book to his teacher before going to the field to play. How far did he walk that morning?

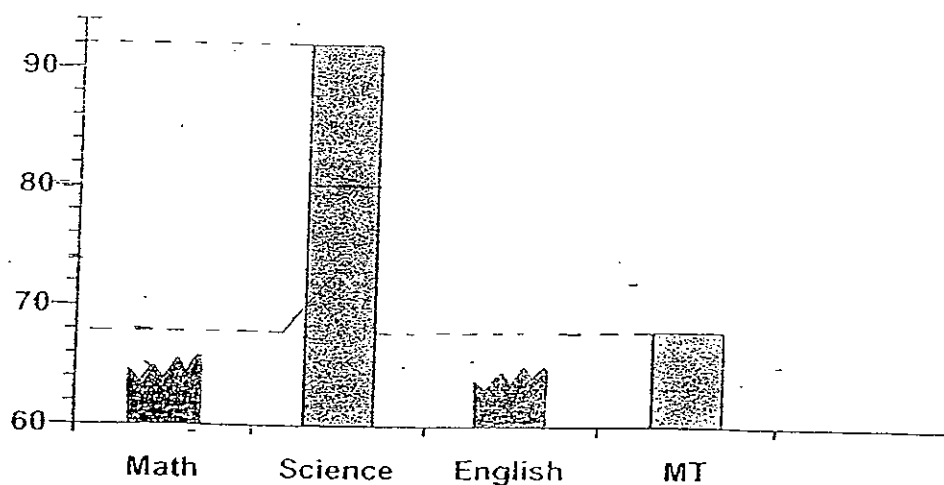
 m

29. The bathroom scale below shows the reading when Raju stands on it. However, the scale is not working properly. The reading shown is 2 kg lighter than his actual mass. What is Raju's actual mass?


 kg

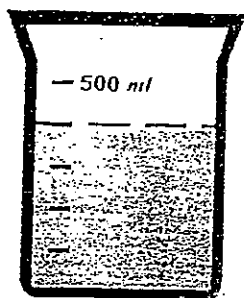
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30. Part of the graph was erased accidentally. Complete the graph with the information given in the box.



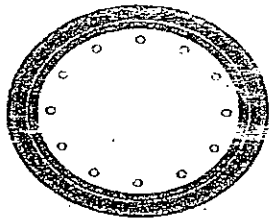
Math	74
Science	92
English	80
MT	68

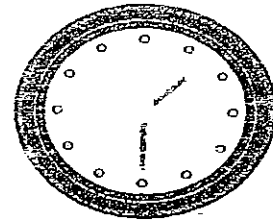
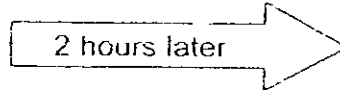
31. Look at the figure below. Mary has poured in too much water. She needed only 350 ml of water. What is the amount of water she must pour out from the beaker?



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32. Fill in the box with the correct time and draw the hour and minute hands in the given clock face to show the time.

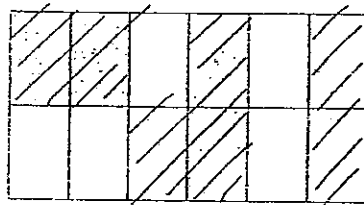





33. Soccer practice began at 3.15 p.m. and ended at 6.30 p.m. How long was the practice? Give your answer in hours and minutes.

h	min
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34. What fraction of the figure is shaded?




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35. Arrange the following fractions in order beginning with the smallest.

$$\frac{1}{2}, \frac{2}{3}, \frac{3}{7}$$

36. Jenny baked a cake. She cut it into 20 equal pieces. Her children ate 8 pieces of the cake and she gave her neighbour 6 pieces. What fraction of the cake was left? (Give your answer in the simplest form)

37. The area of a square is  $36 \text{ m}^2$ . What is the perimeter of the square?

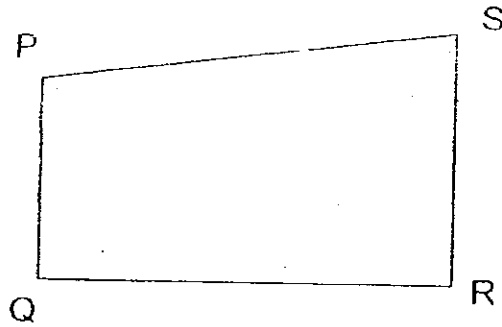
 m

38. A farmer has a vegetable plot which measures 50 m by 30 m. He wants to fence it up to prevent rabbits from eating his plants. What is the length of fence he needs?

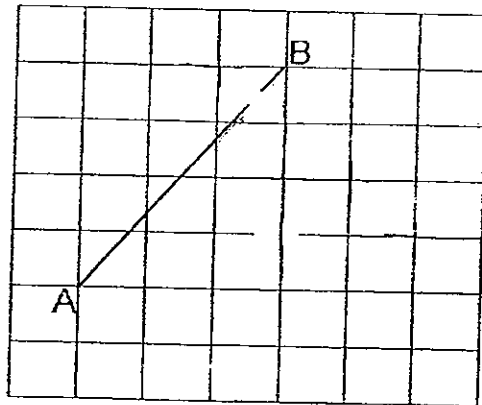
 m

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39. (Mark and name the pair of parallel lines in the figure below.



40. In the grid below, draw a line PQ perpendicular to line the AB.



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**Section C** (5 x 4 marks)

Solve the following problems. Show all your workings clearly,

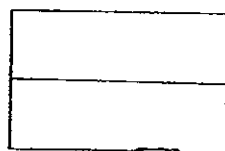
41. Ada, Betty and Cathy have 549 stamps altogether. Betty has 58 stamps. Ada has 4 times as many stamps as Betty. The rest of the stamps belong to Cathy. How many stamps does Cathy have?
42. May took 45 minutes to prepare all the ingredients needed to make sandwiches for a party. She took another 30 minutes to make the sandwiches. She started her preparation at 2.45 p.m. What time did she finish making all the sandwiches?

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43. Jenny had  $\frac{1}{2}$  kg of sugar. Her friend gave her  $\frac{1}{4}$  kg of sugar. She then used  $\frac{5}{12}$  kg to bake a cake. What was the mass of sugar Jenny had left after baking the cake? (Give your answer as a fraction in its simplest form.)

44. Mr Rahmat has a rectangular plot of land measuring 30 m by 24 m. He decides to use half of its area to plant flowers.

- a) In the two rectangles given below, draw two different ways in which Mr Rahmat could divide his plot of land.



- b) What is the area of the land used to plant the flowers?

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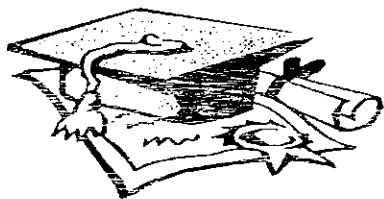
45. Look at the advertisement below and answer the following questions.

3 Days PENANG 249	3 Days LANGKAWI 218	3 Days KUCHING 289	3 Days KOTA KINABALU 319
4 Days BALI 378	3 Days HONG KONG 479	5 Days HONG KONG; SHENZHEN 568	4 Days TAIPEI <i>Hot Spring</i> 538

Mr Wong wanted to take his father, mother and wife to Bali for a holiday.

- How much would he have to pay for the holiday to Bali?
- How much would he have saved if he decides to take his family to Kuching instead?

End of Paper



# ANSWER SHEET

EXAM PAPER 2008

SCHOOL : MGS PRIMARY SCHOOL  
 SUBJECT : PRIMARY 3 MATHEMATICS

TERM : SA 2

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15	Q16	Q17
4	3	4	4	4	2	3	3	1	4	1	2	4	3	5	3	4

Q18	Q19	Q20
2	4	1

21) 2      22) 6 eagles      23) 179 beads      24) 524

25) \$8.25      26) Set A = \$1, 20cent, 20cent, 20cent  
 Set B = 50cent, 50cent, 50cent, 10cent

27) 3m 4cm      28) 473m      29) 44kg      30)

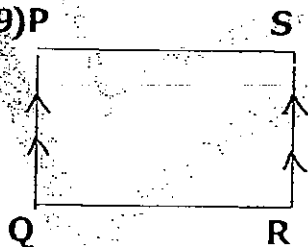
31) 50ml      32) 11.30p.m.

33) 3h 15min      34) 7/12

35)  $3/7, 1/2, 2/3$

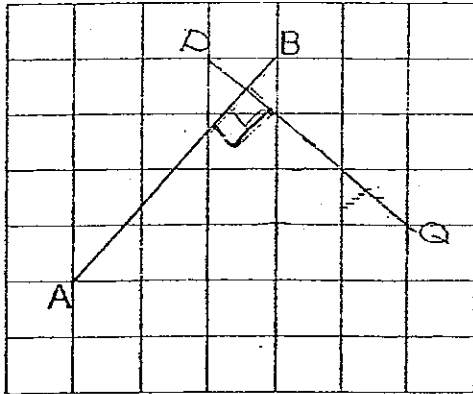
36)  $3/10$       37) 24m

38) 160m      39) P



PQ // SR

40)



41) 317 stamps

42) She finished at 4.00pm

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

44)a)

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b)


45)a)  $\$378 \times 4 = \$1512$

b)  $378 - 289 = 89$

$\$89 \times 4 = \$356$