



RED SWASTIKA SCHOOL

SAT

# RED SWASTIKA SCHOOL

## 2005 MID-YEAR EXAMINATION

### MATHEMATICS

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

Class : Primary 4 / \_\_\_\_\_

Date : 10 May 2005

### PART 1

20 Questions

40 Marks

Duration of Paper : 1 hour 45 minutes

**Note:**

1. Do not open this Booklet until you are told to do so.
2. Questions 1 - 20 are to be done on the OAS provided.
3. Read carefully the instructions given at the beginning of each part of the Booklet.
4. Do not waste time. If a question is difficult for you, go on to the next one.
5. Check your answers thoroughly and make sure you attempt every question.

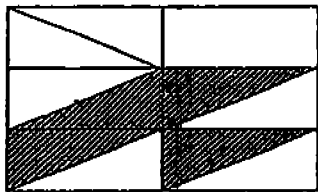
**Part I: Multiple-Choice Questions**

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 correct oval (1, 2, 3 or 4) on the Optical Answer Sheet (OAS).

(40 marks)

- 
1. The value of 2 in 26 984 is \_\_\_\_\_.
- (1) 2000 tens
  - (2) 20 hundreds
  - (3) 2 thousands
  - (4) 200 thousands
2. The whole number that comes just after 90 999 is \_\_\_\_\_.
- (1) 90 100
  - (2) 91 000
  - (3) 91 999
  - (4) 100 000
3. In 75.63, the value of the digit '3' is \_\_\_\_\_.
- (1) 0.03
  - (2) 0.3
  - (3) 3
  - (4) 30
4. The product of 708 and 24 is \_\_\_\_\_.
- (1) 684
  - (2) 732
  - (3) 4248
  - (4) 16 992
5. 42 179 is \_\_\_\_\_ more than the difference between 508 and 308.
- (1) 41 363
  - (2) 41 979
  - (3) 42 379
  - (4) 42 995

6. Mr Pang packed 81 080 T-shirts equally into 10 boxes. How many T-shirts are there in 4 such boxes?
- (1) 818  
 (2) 3272  
 (3) 8108  
 (4) 32 432
7. A 3-digit odd number when rounded off to the nearest ten and to the nearest hundred will give 1000. Find the sum of the largest and smallest possible number that it can be.
- (1) 1994  
 (2) 1998  
 (3) 1999  
 (4) 2000
8. Which of the following numbers are arranged in decreasing order?
- (1) 6.740, 6.074, 6.704  
 (2) 6.704, 6.740, 6.074  
 (3) 6.740, 6.704, 6.074  
 (4) 6.074, 6.704, 6.740
9. What fraction of the following figure is shaded?



- (1)  $\frac{1}{3}$   
 (2)  $\frac{4}{11}$   
 (3)  $\frac{4}{7}$   
 (4)  $\frac{2}{3}$

10. Subtract  $\frac{1}{8}$  from  $\frac{1}{2}$ .

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

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

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

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

11. How many pairs of parallel lines does a triangle have?

(1) 1

(2) 2

(3) 3

(4) 0

12. Express 50 cm as a fraction of 3 m.

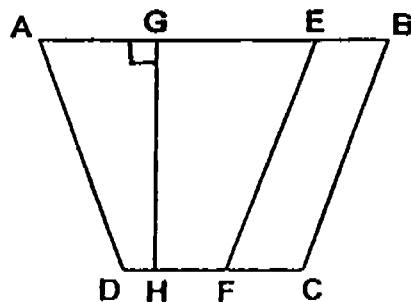
(1)  $\frac{3}{50}$

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

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

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

13. In the following figure, line \_\_\_\_\_ is perpendicular to line \_\_\_\_\_.



(1) AB, CD

(2) AD, BC

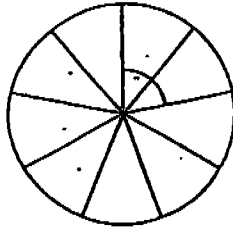
(3) AB, GH

(4) BC, EF

14.  $\frac{4}{7}$  of a book has 128 pages. How many pages does the book have?

- (1) 124
- (2) 132
- (3) 224
- (4) 384

15. A circle is divided into 9 equal parts. Find the angle formed by 2 parts of the circle.

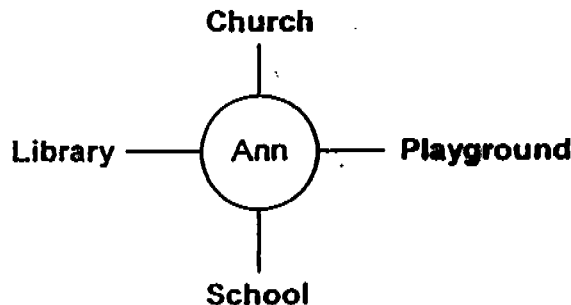


- (1)  $40^\circ$
- (2)  $70^\circ$
- (3)  $80^\circ$
- (4)  $90^\circ$

16. How many sixths must be added to  $3\frac{5}{6}$  to get  $6\frac{1}{3}$ ?

- (1) 12
- (2) 13
- (3) 14
- (4) 15

17. Ann is facing the library. What will she be facing if she makes a  $\frac{3}{4}$ -turn to her left?

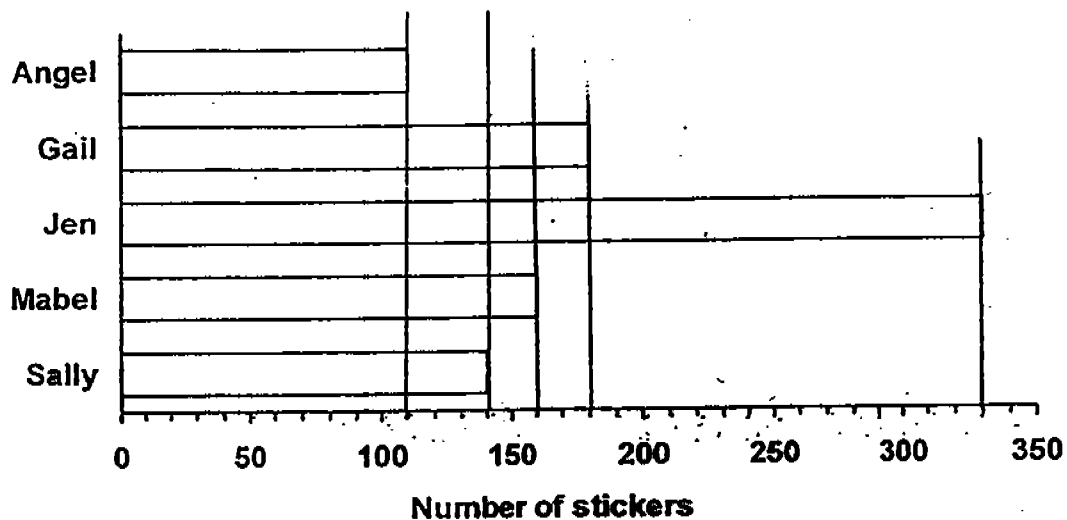


- (1) Church
- (2) Library
- (3) Playground
- (4) School

18. Ken started having dinner at 6.30 pm. He finished his dinner at 7.30 pm. What was the angle turned by the minute hand on the clock?

- (1)  $90^\circ$
- (2)  $180^\circ$
- (3)  $270^\circ$
- (4)  $360^\circ$

The graph below shows the number of stickers 5 girls have. Study the graph carefully and answer questions 19 and 20.



19. How many stickers must Jen give to Mabel so that they have an equal number of stickers?

- (1) 85
- (2) 90
- (3) 170
- (4) 180

20. If Jen gives 120 stickers to the rest of the four girls who share them equally, how many stickers will Angel have now?

- (1) 110
- (2) 140
- (3) 150
- (4) 210



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## 2005 MID-YEAR EXAMINATION

### MATHEMATICS

Name : \_\_\_\_\_

Class : Primary 4 / \_\_\_\_\_

Date : 10 May 2005

### PART 2

25 Questions  
60 Marks

#### MARKS

	OBTAINED	POSSIBLE
PART 1		40
PART 2		60
TOTAL		100



Parent's Signature : \_\_\_\_\_



**Part II: Short-Answer Questions**



Questions Q1 to Q20 carry 2 marks each. Write your answers in the boxes provided. Give your answer in the units stated. (40 marks)

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Q1. The symbols  and  represent two numbers.

If  +  = 16,

 x  = 28,

and  is larger than 

what do  and  represent?

 =

 =

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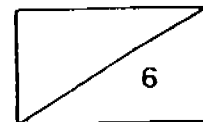
Q2. The product of the sixth multiple of 7 and the fourth multiple of 9 is

\_\_\_\_\_

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Q3. Express  $5\frac{2}{3}$  as an improper fraction.

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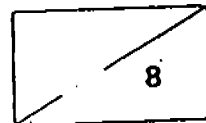


Q4. A staircase with 20 steps is thoroughly washed. Two children whose shoes are dirty ran up the staircase. One child took 2 steps at a time and the other took 3 steps at a time. How many steps remained cleaned?

Q5. Divide 9470 by 6. What is the remainder?

Q6.  $\frac{5}{12}$  of 24 is . What is the number in the box?

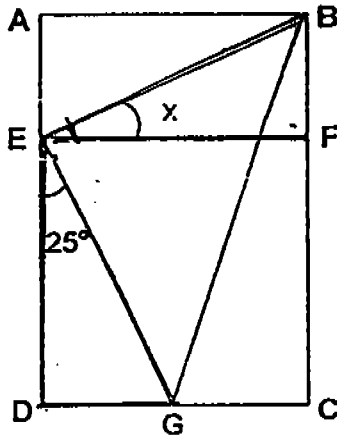
Q7. Express  $3\frac{1}{8}$  as a decimal.



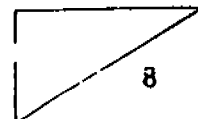
Q8. Thrice a number is greater than half that number by 45. What is the number?

Q9. 7 tens 6 ones 5 hundredths 40 thousandths written as a decimal is

Q10. The following figure is not drawn to scale. ABCD is a rectangle.  $EF \parallel AB$ .  $\angle BEG$  is a right angle and  $\angle DEG = 25^\circ$ . Find  $\angle x$ .



Q11. How many ninths are there in  $3\frac{1}{3}$ ?

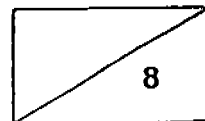
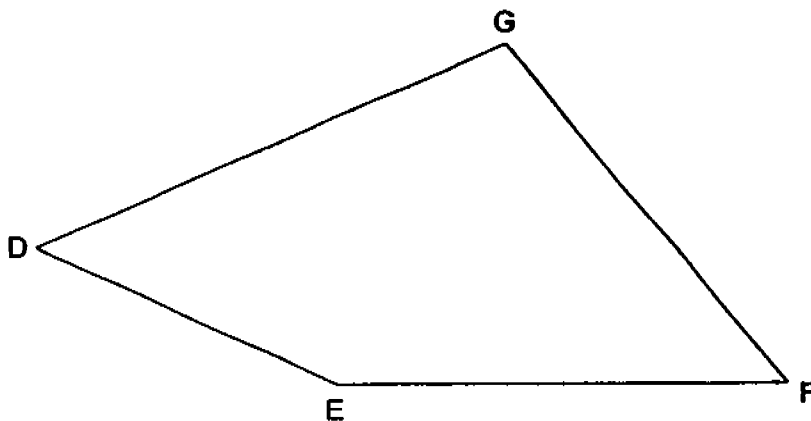


Q12. Joe and Sarah bought  $\frac{2}{3}$  kg of sugar altogether. If Joe bought  $\frac{2}{5}$  kg of sugar, how much sugar did Sarah buy?

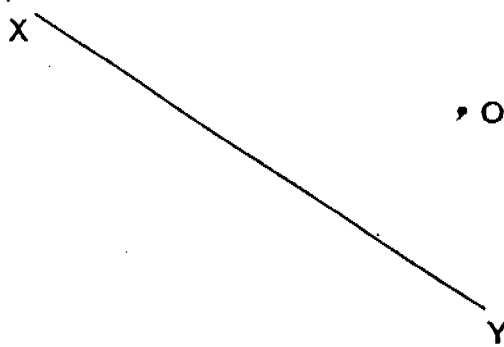
Q13. Find the difference between 7 and  $\frac{6}{11}$ .  
(Give your answer in its simplest form.)

Q14. Kelly used  $\frac{5}{8}$  of a ribbon to wrap a present. She then had 12 cm of ribbon left. How long was the ribbon at first?

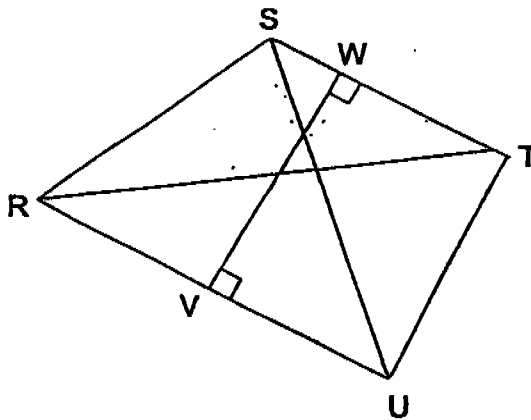
Q15. DEFG is a 4-sided figure. Measure  $\angle DEF$ .



Q16. Using a set square and a ruler, draw a line AB that is perpendicular to XY and passing through the point O.

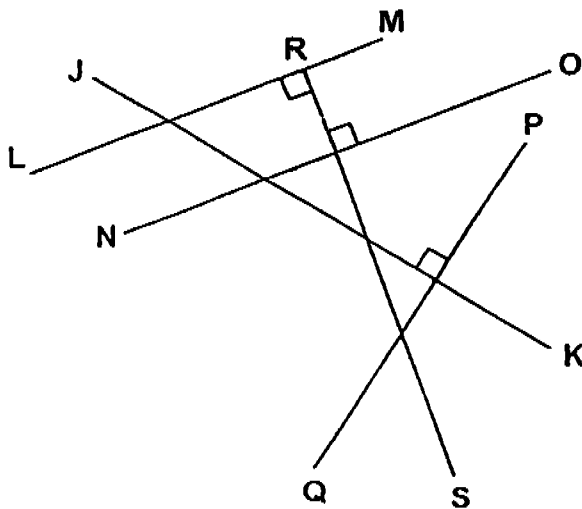


Q17. Name a pair of parallel lines in the following figure.

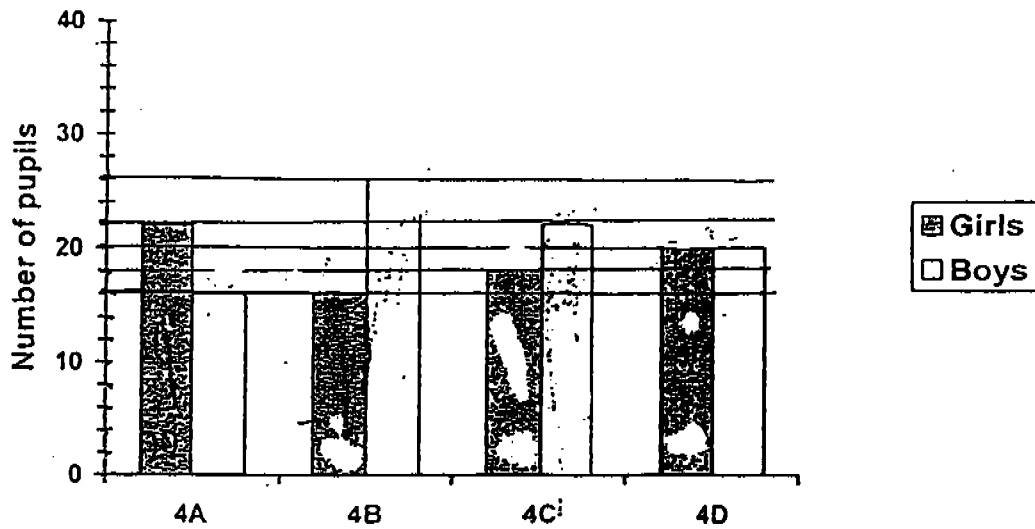


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Q18. In the figure below, line \_\_\_\_\_ is perpendicular to the line LM.



The graph below shows the enrolment of 4 classes in a school. Study the graph carefully and use it to answer questions Q19 and Q20.



Q19. Which class has more girls than boys?

Q20. How many more boys than girls are there altogether?

**Part II: Long-Answer / Structured Questions**

Questions Q21 to Q25 carry 4 marks each. Show your working clearly below each question and write your answers in the spaces provided.

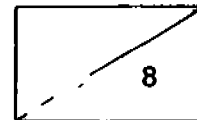
(20 marks)

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Q21. Alice had 46 392 picture cards. She had 19 287 picture cards more than Brandon. How many picture cards did the two children have altogether?

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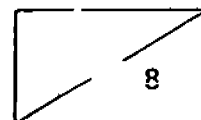
Q22. Mr Frank travels 5090 km in 10 days. How far will he travel in 4 weeks if he travels the same distance every day?



Q23. The total cost of a printer and a computer is \$2076. If the printer costs  $\frac{1}{5}$  as much as the computer, how much does the computer cost?

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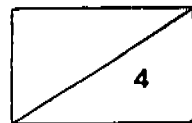
Q24. Valerie bought 8 similar trays of eggs. She arranged them into rows of 15 eggs and found that she had 72 rows. How many eggs were there in each tray?



Q25. Miss Low baked some cookies. She gave  $\frac{5}{12}$  of them to her friends and 3 bottles containing 40 cookies each to her relatives. After that,  $\frac{1}{4}$  of her cookies were left. How many cookies did she bake?

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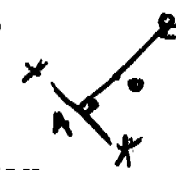
END OF PAPER





RED SWASTIKA SCHOOL  
2005 MID YEAR EXAMINATION  
MATHEMATICS  
PRIMARY FOUR

SAM

- |       |   |
|-------|---|
| 1) 1  | 6) 10   |
| 2) 2  | 7) 3.125  |
| 3) 1  | 8) 18   |
| 4) 4  | 9) 76.090   |
| 5) 2  | 10) $25^{\circ}$  |
| 6) 4  | 11) 30  |
| 7) 1  | 12) $4/15$ kg   |
| 8) 3  | 13) $6 \frac{5}{11}$  |
| 9) 1  | 14) 32 cm   |
| 10) 4 | 15) $156^{\circ}$   |
| 11) 4 | 16)  |
| 12) 2 | 17) ST//RU  |
| 13) 3 | 18) RS  |
| 14) 3 | 19) 4A  |
| 15) 3 | 20) 8   |
| 16) 4 | 21) 73497 cards   |
| 17) 1 | 22) 14252 km in 4 weeks   |
| 18) 4 | 23) \$ 1730   |
| 19) 1 | 24) 135 eggs  |
| 20) 2 | 25) 360 cookies   |

Part II

- 1) sun - 14  
thunder - 2
- 2) 15.12
- 3)  $17/3$
- 4) 7
- 5) 2