



RED SWASTIKA SCHOOL

# RED SWASTIKA SCHOOL

## 2009 SEMESTRAL ASSESSMENT 1

### MATHEMATICS

Name : \_\_\_\_\_ (     )

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

Date : 5 May 2009

### BOOKLET A

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.

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.

(40 marks)

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1 Which of the following is the smallest?

- (1) 73 737
- (2) 73 337
- (3) 73 773
- (4) 73 377

2 The value of the digit 2 in 62 943 is \_\_\_\_\_.

- (1)  $2 \times 10$
- (2)  $20 \times 10$
- (3)  $20 \times 100$
- (4)  $20 \times 1\,000$

3 Which of the following is a multiple of 8?

- (1) 16
- (2) 2
- (3) 28
- (4) 4

4 What is the common factor of 42 and 91?

- (1) 21
- (2) 14
- (3) 3
- (4) 7

5 Which of the following gives the best estimate of  $761 \div 8$ ?

- (1)  $700 \div 8$
- (2)  $800 \div 8$
- (3)  $700 \div 10$
- (4)  $800 \div 10$

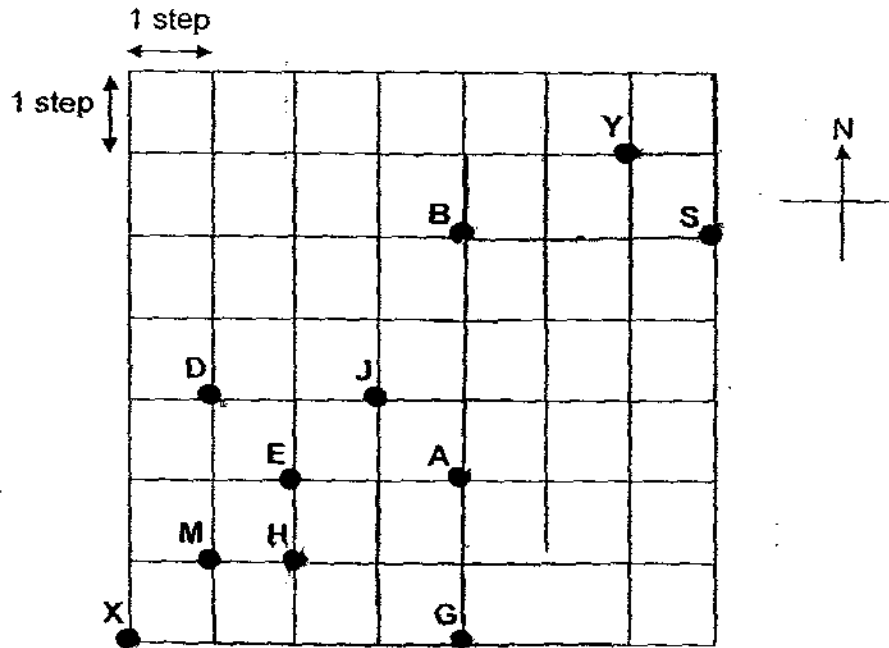
- 6 What is the sum of the first two common multiples of 4 and 6?
- (1) 12
  - (2) 24
  - (3) 36
  - (4) 48
- 7 A number is 10 times the second number. The difference between the two numbers is 630. What is the sum of the two numbers?
- (1) 693
  - (2) 700
  - (3) 756
  - (4) 770
- 8 Find the product of 589 and 24.
- (1) 3 434
  - (2) 3 534
  - (3) 14 036
  - (4) 14 136
- 9 Express  $\frac{35}{9}$  as a mixed number.
- (1)  $2\frac{4}{9}$
  - (2)  $2\frac{7}{9}$
  - (3)  $3\frac{5}{9}$
  - (4)  $3\frac{8}{9}$
- 10  $6\frac{3}{4} = 1 + 1 + 1 + 1 + \frac{\square}{4}$   
What is the missing number in the box?
- (1) 11
  - (2) 2
  - (3) 3
  - (4) 23

All the pupils from Primary 4A to 4D had to take part in only one CCA. The table below shows the number of pupils from Primary 4A to 4D who took part in each CCA. Use this table to answer questions 11 to 13.

Class	Tennis	Badminton	Netball	Soccer
4A	4	?	9	14
4B	7	8	10	?
4C	4	15	5	12
4D	6	13	8	11
Total	21	46	32	52

- 11 Which was the most popular CCA?
- (1) Tennis
  - (2) Badminton
  - (3) Netball
  - (4) Soccer
- 12 How many more pupils in Primary 4B took part in soccer than Primary 4D?
- (1) 1
  - (2) 2
  - (3) 3
  - (4) 4
- 13 How many pupils are there in Primary 4A?
- (1) 27
  - (2) 37
  - (3) 40
  - (4) 46

Study the diagram below carefully and use it to answer questions 14 to 16.



14 Point D is \_\_\_\_\_ of Point G.

- (1) north-east
- (2) north-west
- (3) south-east
- (4) south-west

15 Kenny was at Position X. He followed the directions listed below.

Moves	Direction
1 <sup>st</sup>	5 steps to the east
2 <sup>nd</sup>	1 step to the north
3 <sup>rd</sup>	3 steps to the west

What position did he end up?

- (1) G
- (2) H
- (3) E
- (4) M

- 16 Michael was at a certain position. He followed the directions listed below and ended up at point Y.

Moves	Direction
1 <sup>st</sup>	1 step to the west
2 <sup>nd</sup>	1 step to the north
3 <sup>rd</sup>	3 steps to the east
4 <sup>th</sup>	3 steps to the north

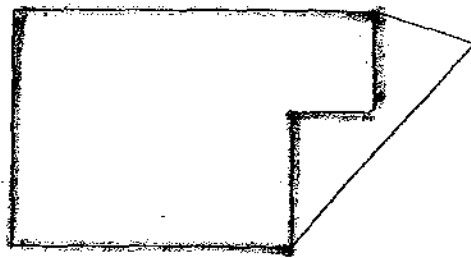
What was his starting position?

- (1) A  
(2) B  
(3) S  
(4) J
- 17 Which letter in the word below has both parallel and perpendicular lines?

F A N G

- (1) F  
(2) A  
(3) N  
(4) G

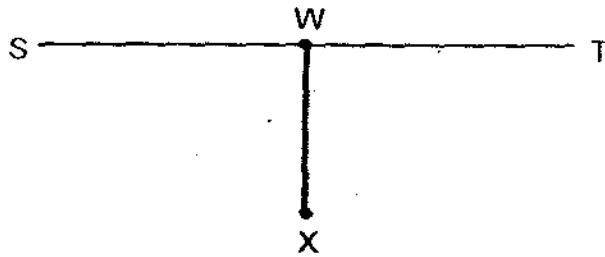
18



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

- (1) 6  
(2) 8  
(3) 12  
(4) 4

- 19 Look at the figure below and answer the question.



ST is a horizontal line. If a vertical line through X is drawn to meet ST at W, which of the following statements is **incorrect**?

- (1) Angle TWX is equal to  $90^\circ$ .
- (2) ST is perpendicular to WX.
- (3) SW and WX will form a right angle.
- (4) ST and WX will form 4 right angles.

20

$$\triangle - \text{😊} = \text{😊} + \text{😊} - \triangle$$

If each  $\triangle$  stands for  $\frac{1}{2}$ , what does each  $\text{😊}$  stand for?

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



RED SWASTIKA SCHOOL

# RED SWASTIKA SCHOOL

## 2009 SEMESTRAL ASSESSMENT 1

### MATHEMATICS

Name : \_\_\_\_\_ (      )

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

Date : 5 May 2009

### BOOKLET B

25 Questions  
60 Marks

#### MARKS

	OBTAINED	POSSIBLE
BOOKLET A		40
BOOKLET B		60
TOTAL		100

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

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. (40 marks)

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21 Write 57 642 in words.

Ans: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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22 19 095 is  less than 20 018.

Ans: \_\_\_\_\_

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23 Subtract 41 tens from the sum of 63 thousands and 10 hundreds.

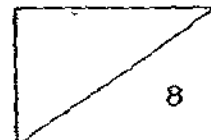
Ans: \_\_\_\_\_

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24 Complete the following number pattern.

8 500 , 11 604 , 14 758 , 17 962 ,

Ans: \_\_\_\_\_



25 Round off 7 549 to the nearest hundred.

Ans: \_\_\_\_\_

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26 Lisa is thinking of two numbers. The only common factors of the numbers are 1 and 3. The first common multiple of the two numbers is 18. One of the numbers is 6. What is the other number?

Ans: \_\_\_\_\_

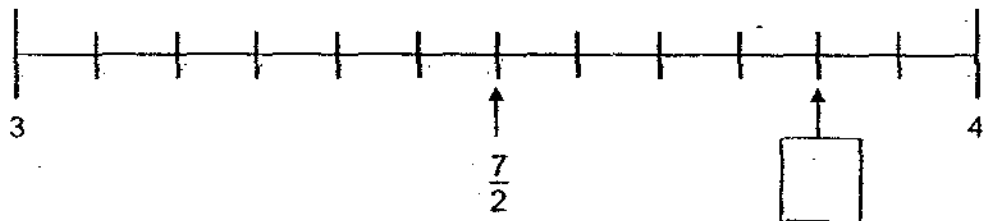
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27 A fruit seller has 29 boxes of apples. Each box contains 36 apples. He sells 9 apples for \$7. How much money will he collect if he sells all the apples?

Ans: \$ \_\_\_\_\_

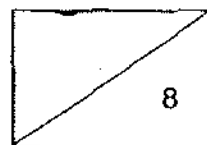
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28 Fill the blank with the correct improper fraction in its simplest form

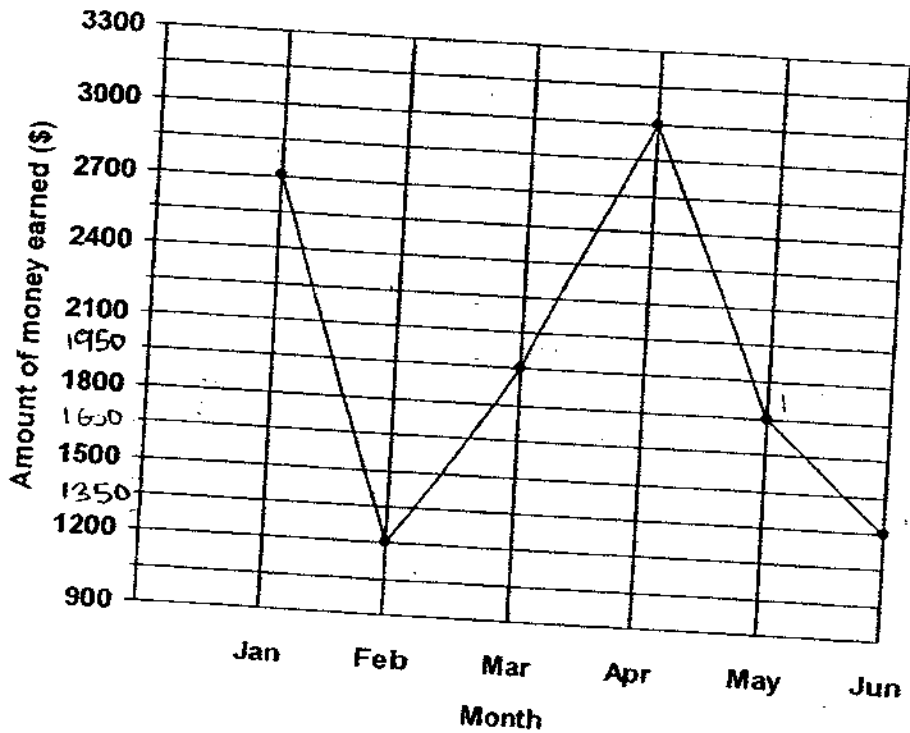


Ans: \_\_\_\_\_

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The line graph below shows the amount of money Chloe earned from selling food from January to June. Study the graph carefully and use it to answer questions 29 to 31.



29 What was the difference in Chloe's earnings for January and February?

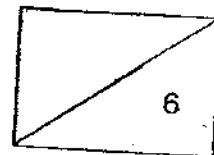
Ans: \$ \_\_\_\_\_

30 In which month did Chloe earn \$1 200 more than what she earned in May?

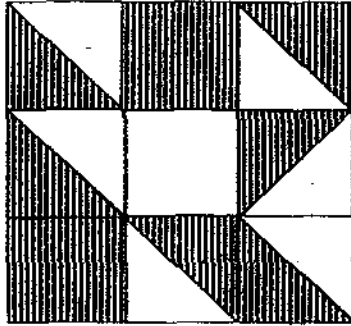
Ans: \_\_\_\_\_

31 Chloe earned 2 times as much in one particular month than in another month. Which were the two months?

Ans: \_\_\_\_\_ and \_\_\_\_\_



- 32 What fraction of the figure below is shaded? Give your answer in its simplest form.

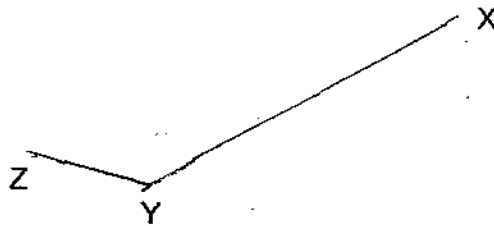


Ans: \_\_\_\_\_

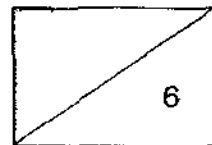
- 33 A sum of money was shared between Cindy and Henry.  
Cindy received  $\frac{3}{5}$  of the money. Henry received the remaining \$78.  
How much was the sum of money?

Ans: \$ \_\_\_\_\_

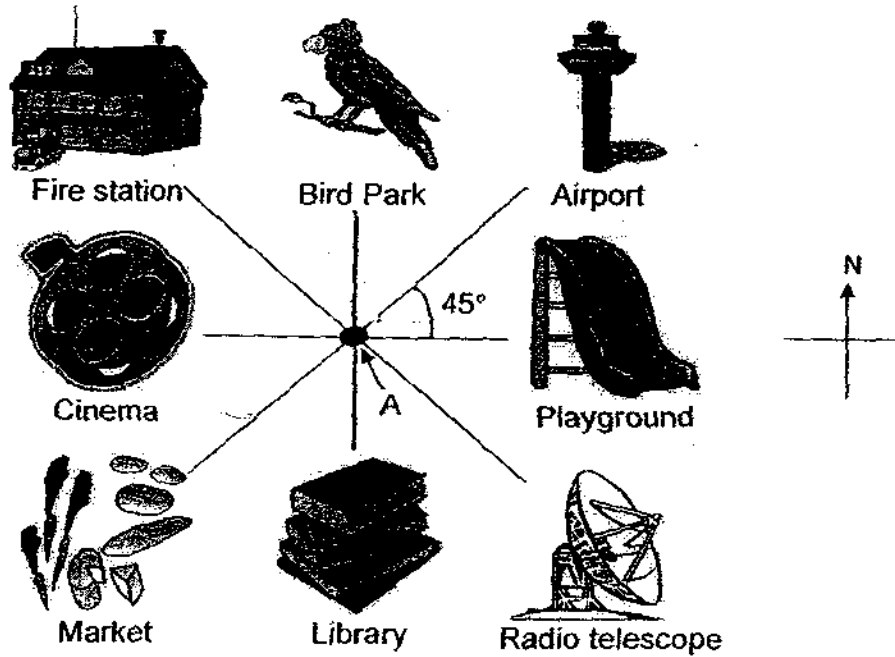
- 34 Measure angle XYZ with a protractor.



Ans: \_\_\_\_\_°



Use the following diagram, not drawn to scale, to answer questions 35 to 37.



35 Muthu is at point A and he is facing the playground now. The Bird Park is \_\_\_\_\_ of Muthu.

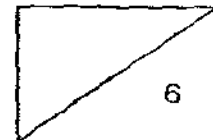
Ans: \_\_\_\_\_

36 Muthu is at point A and he is facing the airport. He makes a \_\_\_\_\_ - turn in the anticlockwise direction to face the fire station.

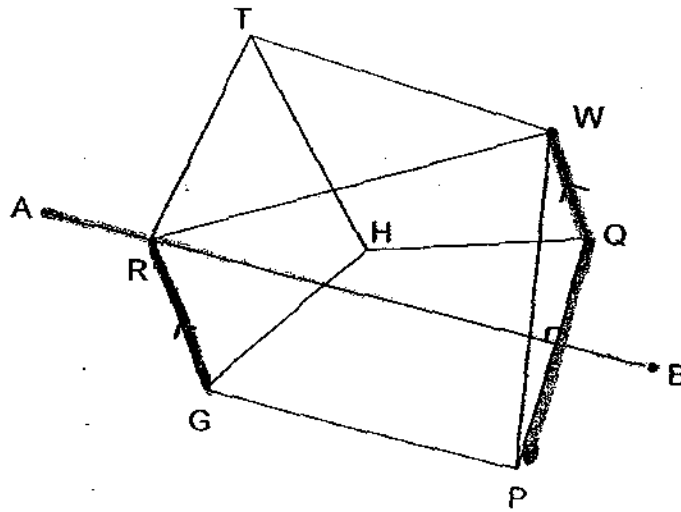
Ans: \_\_\_\_\_

37 Muthu turns  $135^\circ$  clockwise before making a  $\frac{3}{4}$  - turn in the clockwise direction to face the market. Where was he facing at first?

Ans: \_\_\_\_\_



Look at the diagram below to answer questions 38 and 39.



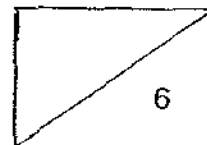
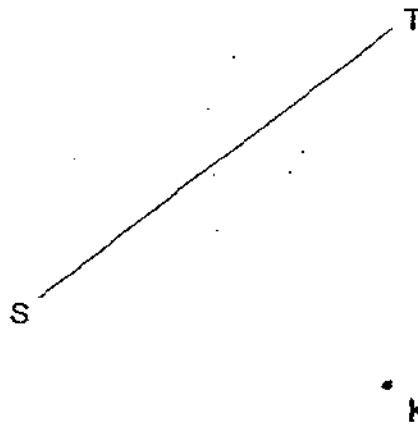
38 Which line is parallel to RG?

Ans: \_\_\_\_\_

39 Which line is perpendicular to AB?

Ans: \_\_\_\_\_

40 Using a ruler and a set-square, draw a line parallel to ST through the point K.



Questions 41 to 45 carry 4 marks each. Show your working clearly in the space below each question and write your answers in the spaces provided.  
(20 marks)

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- 41 A washing machine when filled with 7 similar shirts weighs 9 kg.  
If each shirt weighs  $\frac{1}{8}$  kg, what is the mass of the washing machine?

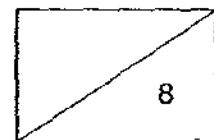
Ans: \_\_\_\_\_ [4]

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- 42 There are 284 coins in Box A and 122 coins in Box B. How many coins must be removed from Box A and put into Box B so that Box B will have 46 more coins than Box A?

Ans: \_\_\_\_\_ [4]

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43 The cost of  $\frac{3}{7}$  m of silk is \$36. What is the cost of  $\frac{1}{6}$  m of silk?

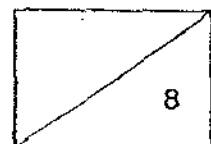
Ans: \_\_\_\_\_ [4]

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44 Gavin has \$700 more than Rachel. Rachel has \$1 650 more than Tom. They have \$6 850 altogether. How much does Gavin have?

Ans: \_\_\_\_\_ [4]

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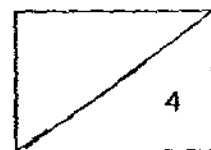


- 45 James had twice as many marbles as Bob. After James lost 240 marbles, Bob had 3 times as many marbles as James. How many more marbles did James have than Bob at first?

Ans: \_\_\_\_\_ [4]

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END OF PAPER



# ANSWER SHEET

**EXAM PAPER 2009**

**SCHOOL : RED SWASTIKA PRIMARY  
SUBJECT : PRIMARY 4 MATHEMATICS**

**TERM : SA1**

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

Q18	Q19	Q20
1	4	3

21) Fifty-seven thousand, six hundred and forty-two    22) 923    23) 63590

24) 21216    25) 7500    26) 9    27) \$812    28)  $23/6$     29) \$1500

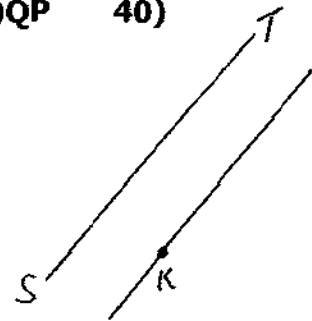
30) April    31) January and June    32)  $5/9$     33) \$195    34)  $135^\circ$

35) West    36)  $1/4$     37) Library    38) WQ    39) QP    40)

41) Mass of 7 shirts =  $1/8 \text{ kg} \times 7 = 7/8 \text{ kg}$   
Mass of washing machine =  $9 \text{ kg} - 7/8 \text{ kg}$   
=  $88/8 \text{ kg} - 7/8 \text{ kg} = 81/8 \text{ kg}$

42)  $284 - 122 = 162$   
 $162 - 46 = 116$   
 $116 \div 2 = 58$   
 $58 + 46 = 104$

43) 18 units  $\rightarrow$  \$36  
1 unit  $\rightarrow$   $\$36 \div 18 = \$2$   
Cost of  $1/6 \text{ m}$  of silk =  $7 \times \$2 = \$14$



**44)  $\$1650 + \$1650 + \$700 = \$4000$**

**$\$6850 - \$4000 = \$2850$**

**3 units  $\rightarrow$   $\$2850$**

**1 unit  $\rightarrow$   $2850 \div 3 = \$950$**

**Amt. of money Gavin has  $\rightarrow$   $\$950 + \$1650 + \$700 = \$3300.$**

**45) 5 units  $\rightarrow$  240**

**1 unit  $\rightarrow$   $240 \div 5 = 48$**

**No. of marbles James has more than Bob  $\rightarrow$   $48 \times 3 = 144$**