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)

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) 2×10
(2) 20×10
(3) 20×100
(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 $791 \div 8$?

(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.**
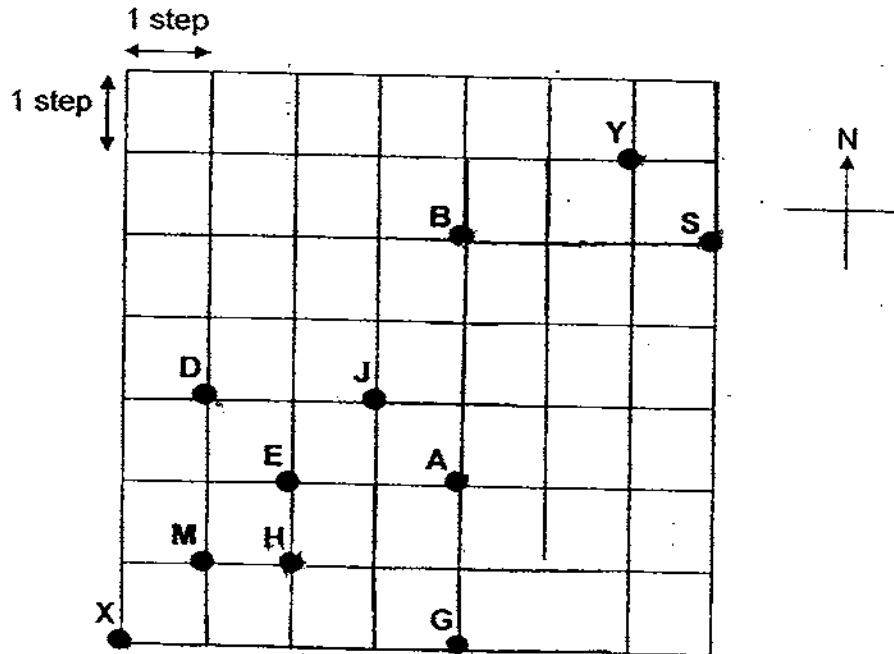
14 Point D is _____ of Point G?

(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
1st	5 steps to the east
2nd	1 step to the north
3rd	3 steps to the west

What position did he end up?

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

4

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

Moves	Direction
1st	1 step to the west
2nd	1 step to the north
3rd	3 steps to the east
4th	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?
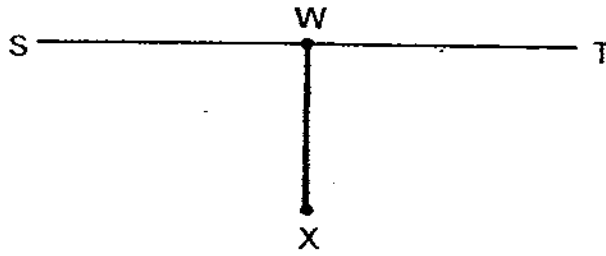
FANG

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

18
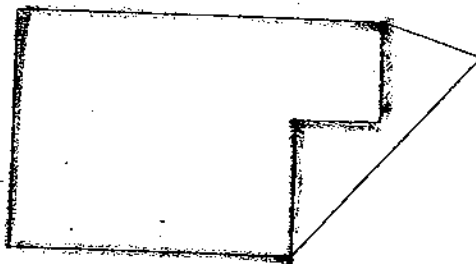
How many pairs of parallel lines are there in the figure below?

(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 $90°$.
(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    $\triangle - \smiley = \smiley + \smiley - \triangle$

If each $\triangle$ stands for $\dfrac{1}{2}$, what does each $\smiley$ stand for?

(1) $\dfrac{1}{5}$

(2) $\dfrac{1}{2}$

(3) $\dfrac{1}{3}$

(4) $\dfrac{1}{4}$

RED SWASTIKA SCHOOL

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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)

21 Write 57 642 in words.

Ans: _____

22 19 095 is [ ] less than 20 018.

Ans: _____

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

Ans: _____

24 Complete the following number pattern.

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

Ans: _____

7

8
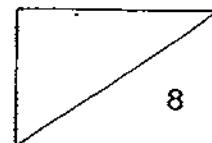
25   Round off 7 549 to the nearest hundred.

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?
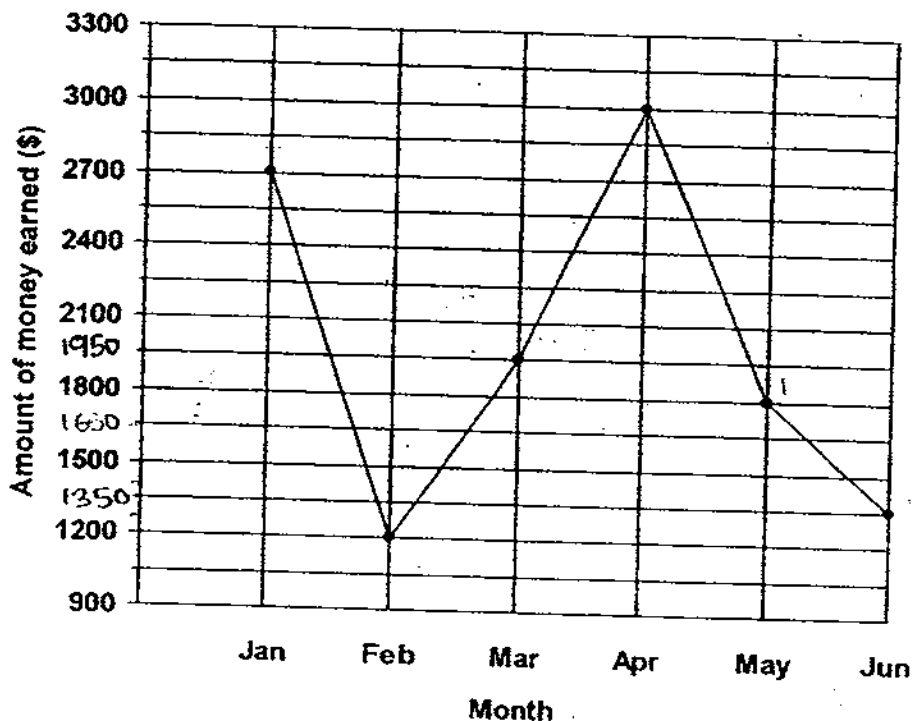
Ans: $_____

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

3 4

$\frac{7}{2}$

Ans: _____

8

8
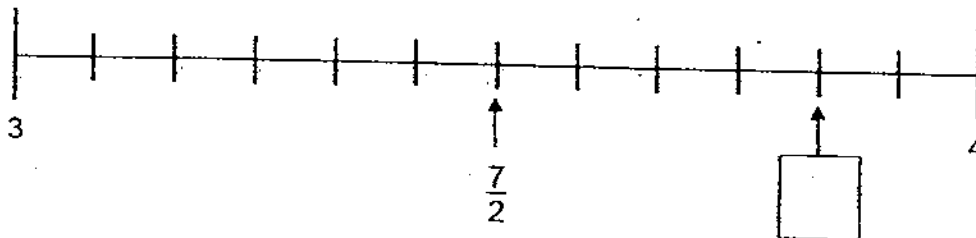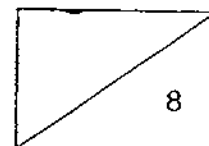
The line graph below shows the amount of money Chloe earned from selling food from January to June. Study the graph carefully and use it to answer questions 29 to 31.

29 What was the difference in Chloe's earnings for January and February?
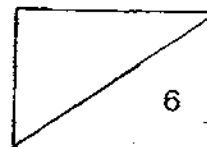
Ans: $_____

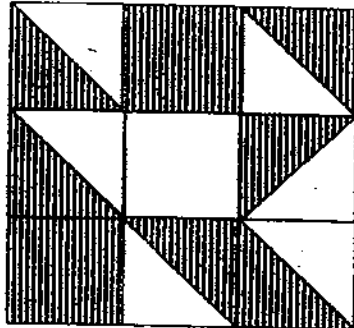30 In which month did Chloe earn $1 200 more than what she earned in May?

Ans: _____

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

Ans: _____ and _____

6

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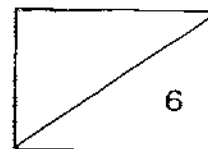

Ans: _____

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?
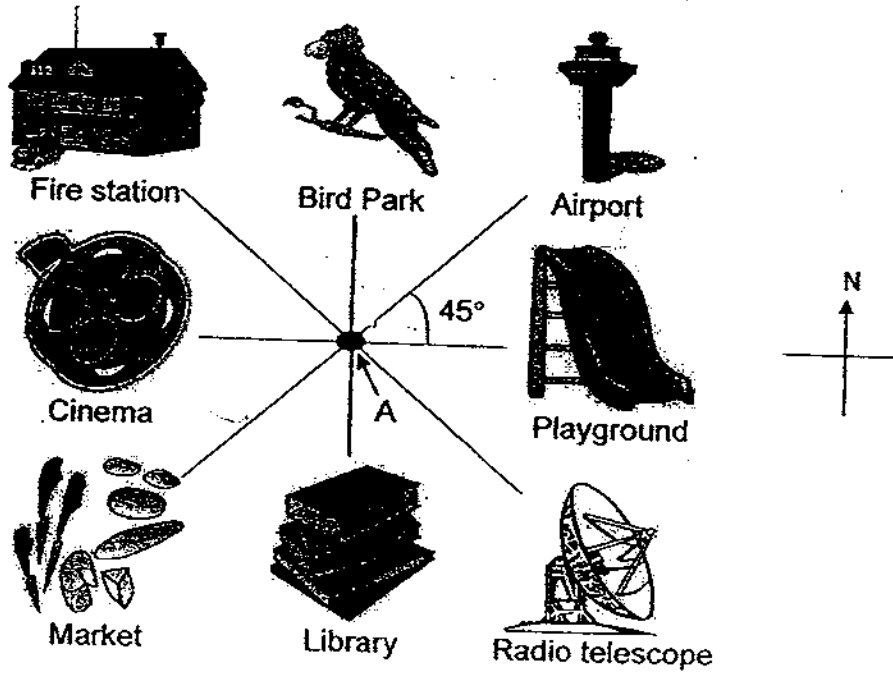
Ans: $ _____

34 Measure angle XYZ with a protractor.

Ans: _____ °

10
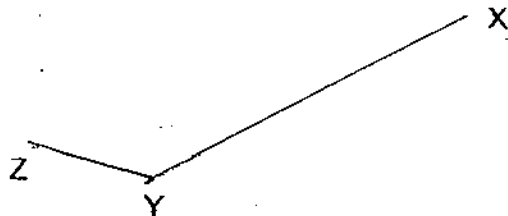
Use the following diagram, not drawn to scale, to answer questions 35 to 37.

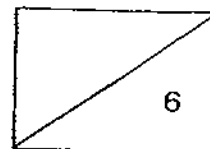**35** Muthu is at point A and he is facing the playground now. The Bird Park is _____ of Muthu.

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.
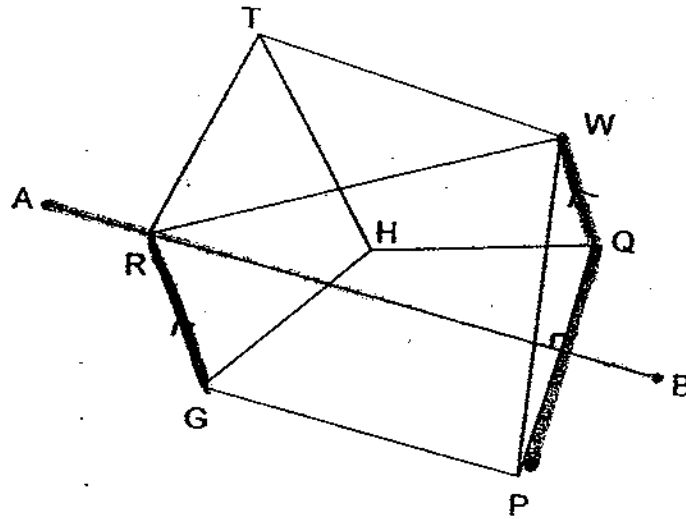
Ans: _____

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

Ans: _____
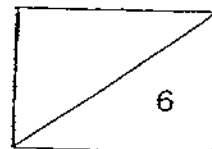
11

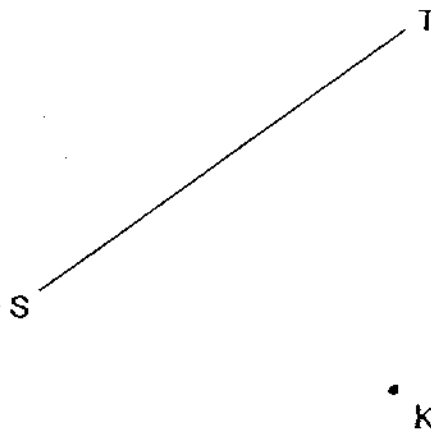**Look at the diagram below to answer questions 38 and 39.**

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.


12

6

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?
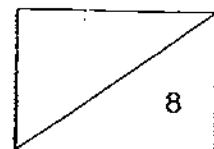
Ans: _____ [4]

8
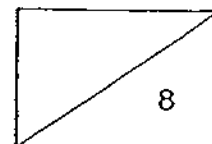
43 The cost of $\frac{3}{7}$ m of silk is \$36. What is the cost of $\frac{1}{6}$ m of silk?

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?
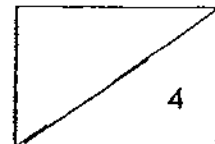
Ans: _____ [4]

14

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]

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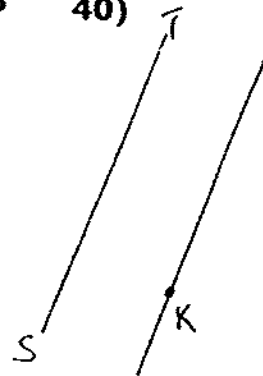
30)April   31)January and June   32)5/9   33)$195   34)135°

35)West   36) ¼   37)Library   38)WQ   39)QP   40)

41)Mass of 7 shirts=1/8kgx7=7/8kg
   Mass of washing machine=9kg-7/8kg
   =8$_{8/8}$kg – 7/8kg=8$_{1/8}$kg

42)284-122=162
   162-46=116
   116÷2=58
   58+46=104

43)18units→$36
   1 unit→$36÷18=$2
   Cost of 1/6m of silk=7x$2=$14

44) $1650+$1650+$700=$4000
$6850-$4000=$2850
3 units→$2850
1 unit→2850÷3=$950
Amt. of money Gavin has →$950+$1650+$700=$3300.

45) 5 units→240
1 unit→240÷5=48
No. of marbles James has more than Bob→48x3=144