



RED SWASTIKA SCHOOL

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2011 SEMESTRAL ASSESSMENT 1

MATHEMATICS

Name : _____ ()

Class : Primary 4 / _____

Date : 12 May 2011

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. Read carefully the instructions given at the beginning of each part of the Booklet.
3. Do not waste time. If a question is difficult for you, go on to the next one.
4. Check your answers thoroughly and make sure you attempt every question.
5. In this booklet, you should have the following:
 - (a) Page 1 to Page 6
 - (b) Questions 1 to 20

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 eighty thousand, two hundred and three?

- (1) 823
- (2) 8 203
- (3) 80 203
- (4) 80 230

2 The sum of the values of the digit '9' and the digit '3' in 59 436 is _____

- (1) 870
- (2) 930
- (3) 8 970
- (4) 9 030

3 Which of the following numbers are multiples of 6?

- (1) 12 and 35
- (2) 19 and 24
- (3) 18 and 40
- (4) 30 and 60

4 The common factors of 12 and 30 are 1, 2, 3 and _____

- (1) 10
- (2) 6
- (3) 5
- (4) 4

5 The smallest number which can be divided by 3 and 4 is _____

- (1) 6
- (2) 8
- (3) 12
- (4) 24

6 Rulers are sold in bundles of 10. Mrs Lim has 2 classes of 43 pupils each. How many bundles of rulers should she buy if she wants to give every pupil a ruler each?

- (1) 8
- (2) 9
- (3) 10
- (4) 86

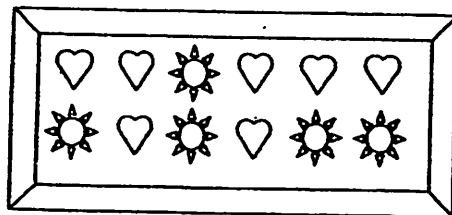
7 3 450 is 10 times _____.

- (1) 345
- (2) 3 440
- (3) 3 350
- (4) 34 500

8 When a number is divided by 7, the quotient is 859 and the remainder is 2. What is the number?

- (1) 124
- (2) 6 013
- (3) 6 015
- (4) 6 027

9 What fraction of the shapes in the box is  ?



- (1) $\frac{5}{7}$
- (2) $\frac{7}{5}$
- (3) $\frac{5}{12}$
- (4) $\frac{7}{12}$

10 The difference between $5\frac{2}{3}$ and $\frac{5}{9}$ is _____.

(1) $5\frac{1}{9}$

(2) $5\frac{3}{9}$

(3) $6\frac{2}{9}$

(4) $6\frac{7}{9}$

11 After buying a present with $\frac{4}{5}$ of her money, Sarah had \$240 left.
How much money did she have at first?

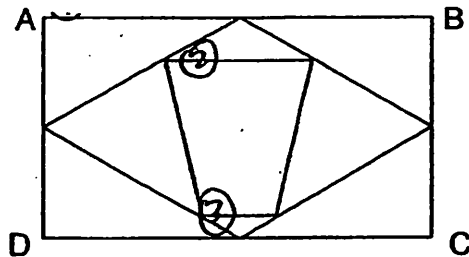
(1) \$192

(2) \$300

(3) \$960

(4) \$1200

12 In the figure below, how many lines are parallel to line CD?



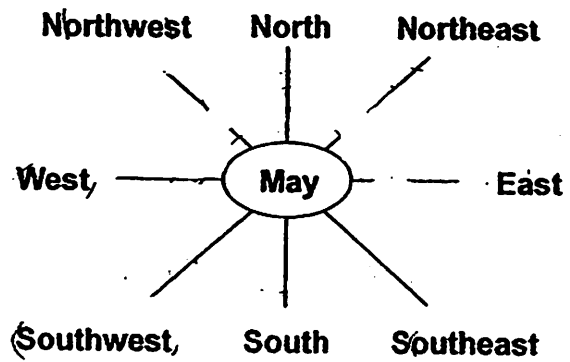
(1) 1

(2) 2

(3) 3

(4) 4

Use the diagram below to answer Questions 13 to 15



- 13 May is facing East. She makes a $\frac{1}{2}$ -turn in an anti-clockwise direction. She will now be facing _____.
- (1) North
 - (2) South
 - (3) East
 - (4) West
- 14 May is facing Southwest. She must turn through an angle of _____ in the clockwise direction to face North.
- (1) 135°
 - (2) 180°
 - (3) 225°
 - (4) 315°
- 15 May is facing Northwest. She makes a 90° clockwise turn. Then she makes a _____ in the anti-clockwise direction to face Southeast.
- (1) $\frac{1}{4}$ -turn
 - (2) $\frac{1}{2}$ -turn
 - (3) $\frac{3}{4}$ -turn
 - (4) 1 complete turn

- 16 The table below shows the number of copies of newspapers sold at a news stand from Monday to Friday.

Day	Number of copies
Monday	51
Tuesday	38
Wednesday	49
Thursday	62
Friday	55

What was the total number of copies of newspapers sold on Monday and Thursday?

- (1) 106
 (2) 110
 (3) 113
 (4) 255
- 17 Which list has all the odd numbers from 22 to 30?

- (1) 22 , 25 , 29
 (2) 23 , 26 , 29
 (3) 24 , 26 , 28 , 30
 (4) 23 , 25 , 27 , 29

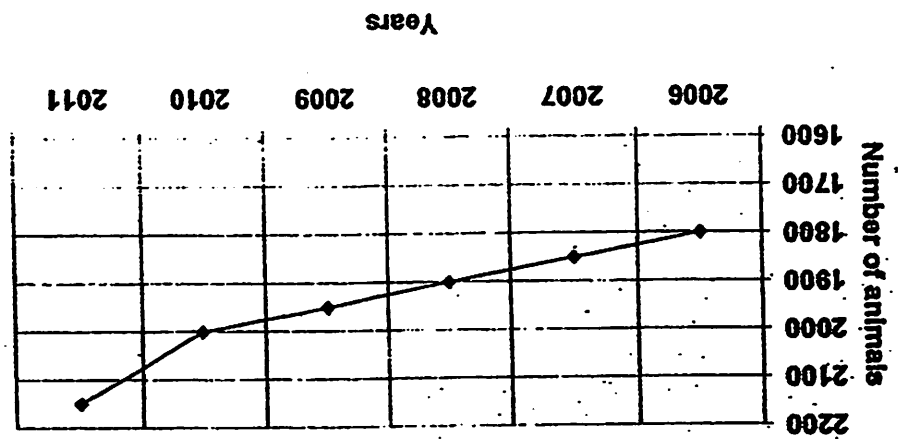
- 18 What is the missing number in the box?

$$\begin{array}{r}
 5R2 \\
 \boxed{?} \overline{) 327} \\
 \underline{30} \\
 27 \\
 \underline{25} \\
 2
 \end{array}$$

- (1) 6
 (2) 2
 (3) 5
 (4) 4

129

The line graph below shows the number of animals in a zoo from 2006 to 2011. Study the graph carefully and answer Questions 19 and 20.



19 How many more animals were there in 2011 than in 2007?

- (1) 300
- (2) 350
- (3) 3 900
- (4) 4 000

20 In which 1 year period was there the greatest increase in the number of animals?

- (1) 2007 to 2008
- (2) 2008 to 2009
- (3) 2009 to 2010
- (4) 2010 to 2011



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MATHEMATICS

Name : _____ ()

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BOOKLET B

28 Questions
60 Marks

In this booklet, you should have the following:

- (a) Page 7 to Page 16
- (b) Questions 21 to 48

MARKS

	OBTAINED	POSSIBLE
BOOKLET A		40
BOOKLET B		60
TOTAL		100

Parent's Signature : _____

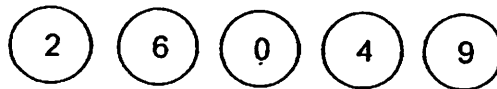
Questions 21 to 30 carry 1 mark each. Questions 31 to 40 carry 2 marks each. Show your working clearly in the space below each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

(30 marks)

21 Write 70 912 in words.

Ans : _____

22 Use the following digits to form the largest 5-digit number.



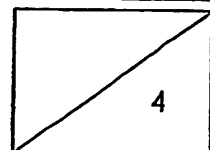
Ans: _____

23 List down all the common factors of 15 and 30.

Ans: _____

24 How many quarters are there in 2 wholes?

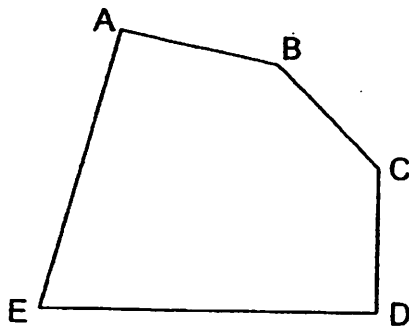
Ans: _____



25 Write $\frac{36}{8}$ as a mixed number in its simplest form.

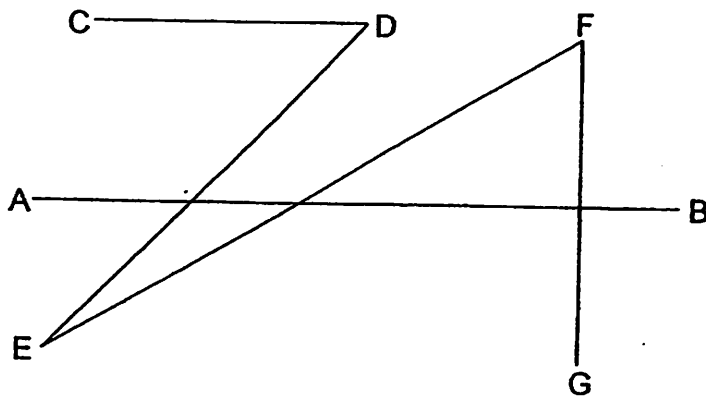
Ans: _____

26 Name a pair of perpendicular lines in the figure.

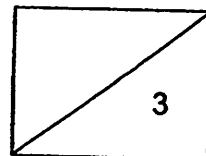


Ans: _____

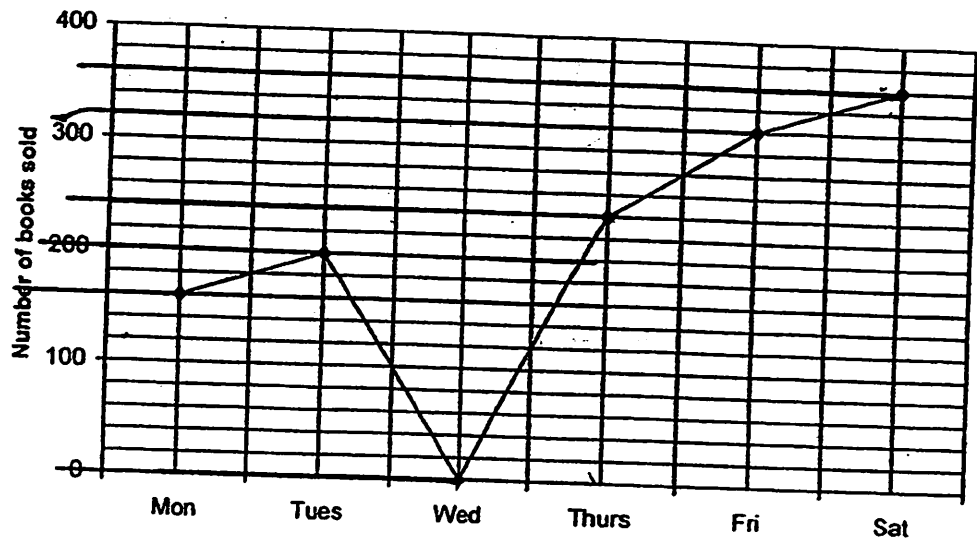
27 In the figure below, which of the following lines is parallel to AB?



Ans: _____



The line graph shows the number of books sold each day at Asia Green Bookstore. Study the graph carefully and answer Questions 28 to 30.



28 On which day was the shop closed?

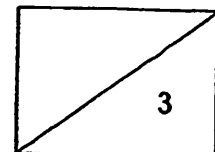
Ans: _____

29 How many more books were sold on Saturday than on Thursday?

Ans: _____

30 If 1 580 books were sold from Monday to Sunday, how many books were sold on Sunday?

Ans: _____



- 31 Deborah has 4 times as many stickers as Jace. If Jace has 1 056 fewer stickers than Deborah, how many stickers do they have altogether?

Ans: _____

- 32 Use the clues below to find the number.

- It is a 5-digit number that has '2' as one of the digits.
- The number '3' is in the hundreds place.
- The value of the digit '5' is 50.
- The digit in the tens thousands place is twice the digit in the hundreds place.
- The digit in the thousands place is 3 times the digit in the ones place.

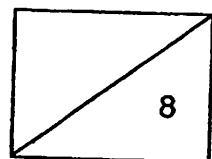
Ans: _____

- 33 List all the factors of 24.

Ans: _____

- 34 1 500 is _____ more than the quotient of $4\ 003 \div 3$.

Ans: _____

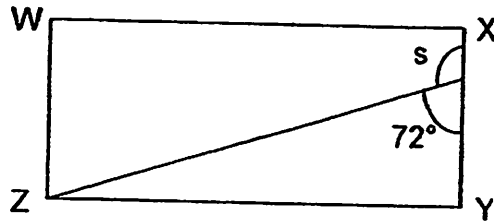


- 35 Arrange the following fractions in order from the smallest to the biggest.

$$\frac{9}{2}, \frac{10}{12}, \frac{7}{6}$$

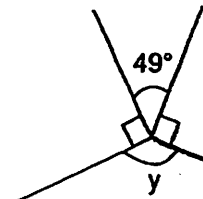
Ans: _____

- 36 WXYZ is a rectangle. Find $\angle s$.



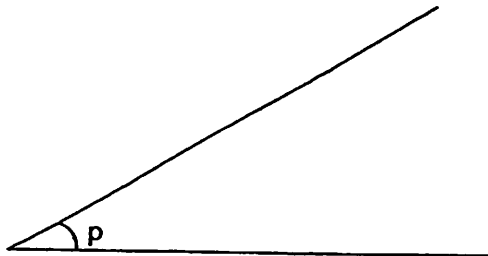
Ans: _____

- 37 Find $\angle y$.

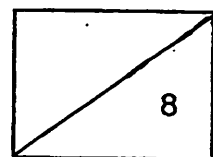


Ans: _____

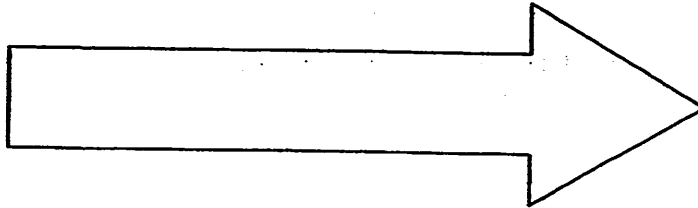
- 38 Measure $\angle p$.



Ans: _____ °



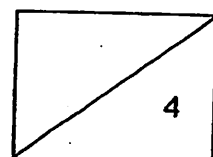
- 39 How many more pairs of perpendicular lines than parallel lines are there in the figure?



Ans: _____

- 40 Find the product of 84 and 4.

Ans: _____



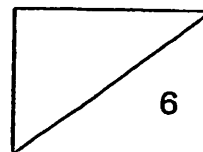
Questions 41 to 48 carry 3 or 4 marks each. Show your working clearly in the space below each question and write your answers in the spaces provided.
(30 marks)

- 41 Kathy sold 280 fish balls on Monday. She sold twice as many fish balls on Tuesday. How many fish balls did she sell altogether on both days?

Ans : _____ [3]

- 42 Donna is 15 years older than Keith. 8 years ago, the sum of their age was 51. How old is Keith now?

Ans : _____ [3]

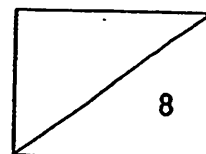


- 43 There are some chickens and horses at a farm. Altogether, there are 41 heads and 118 legs. How many chickens are there?

Ans : _____ [4]

- 44 A skirt costs \$24 less than a dress. If 3 skirts and 6 dresses cost \$540, what is the cost of a dress?

Ans : _____ [4]



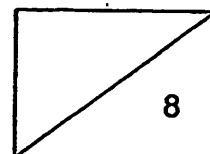
- 45 Mrs Chu bought 5 bracelets and 2 pairs of earrings. Each bracelet cost 3 times as much as a pair of earrings. How much did she pay altogether if each pair of earrings cost \$68?

Ans : _____ [4]

- 46 Cindy baked some cupcakes. She packed the cupcakes into boxes. Each box contained 9 cupcakes. After packing them, she found that she had 16 boxes and 6 cupcakes left.
- a) How many cupcakes were there in all?
- b) If she repacked the cupcakes into 6 cupcakes per box, how many boxes would she have?

Ans: a) _____ [2]

b) _____ [2]



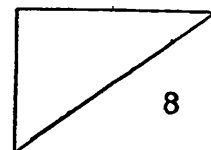
- 47 There were 260 marbles in a box. $\frac{1}{2}$ of the marbles were blue and $\frac{3}{10}$ of them were green. The rest were red. How many red marbles were there?

Ans : _____ [4]

- 48 Mr Tan's monthly salary is \$5 580. He gives $\frac{2}{9}$ of it to his wife and spends $\frac{2}{3}$ of it on daily expenses. If he saves the rest of his salary, how much does he save in a year?

Ans : _____ [4]

End of paper



ANSWER SHEET

EXAM PAPER 2011

SCHOOL : RED SWASTIKA
SUBJECT : PRIMARY 4 MATHEMATICS

TERM : SA1

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

Q18	Q19	Q20
3	1	4

21) Seventy-thousand, nine hundred and twelve.

22) 96420

23) 1, 3, 5 and 15

24) 8

25) $4\frac{1}{2}$

26) $CD \perp DE$

27) CD

28) Wednesday

29) 120 books

30) 300

31) 1760

32) 66352

33) 1, 2, 3, 4, 6, 8, 12 and 24

34) 166

35) $10/12, 7/6, 9/2$

36) 108°

37) 131°

38) 30°

39) 1 more pairs

40) 336

41) $T \rightarrow 280 \times 2 = 560$

Total $\rightarrow 560 + 280 = 840$ fish balls.

42) $51 - 15 = 36$

$36 \div 2 = 18$

$18 + 8 = 26$ years old.

43) No.	Chickens	Horses	No.	Check
20	$20 \times 2 = 40$	$21 \times 4 = 84$	21	X
22	$22 \times 2 = 44$	$19 \times 4 = 76$	19	X
19	$19 \times 2 = 38$	$22 \times 4 = 88$	22	X
23	$23 \times 2 = 46$	$18 \times 4 = 72$	18	✓

Ans: 23 chicken.

44) $24 \times 6 = 144$

$540 - 144 = 396$

$1u \rightarrow 396 \div 9 = 44$

$1D \rightarrow 44 + 24 = \68

45)1b→ $68 \times 3 = \$204$
 $\$204 \times 5 = \1020
 $68 \times 2 = 136$
 $1020 + 136 = \$1156$

46)a) $9 \times 16 = 144$
 $144 + 6 = 150$ cupcakes
b) $150 \div 6 = 25$ boxes

47)1u→ $260 \div 10 = 26$
R→ $26 \times 2 = 52$ red marbles.

48)1u→ $5580 \div 9 = 620$
 $620 \times 12 = \$7440$