RED SWASTIKA SCHOOL

RED SWASTIKA SCHOOL

2011 END-OF-YEAR EXAMINATION

MATHEMATICS

Name : _____ ( )

Class : Primary 4 / _____

Date : 31 Oct 2011

BOOKLET A

20 Questions
40 Marks
Duration of Paper : 1 hour 45 minutes

<u>Note:</u>

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 <u>1</u> to Page <u>5</u>
   (b) Questions <u>1</u> to <u>20</u>

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 44 thousands and 3 tens is the same as _____.

(1) 443
(2) 4 430
(3) 44 003
(4) 44 030

2 72 is not a multiple of _____.

(1) 6
(2) 7
(3) 8
(4) 9

3 Which of the following is not an equivalent fraction of $\frac{1}{4}$?

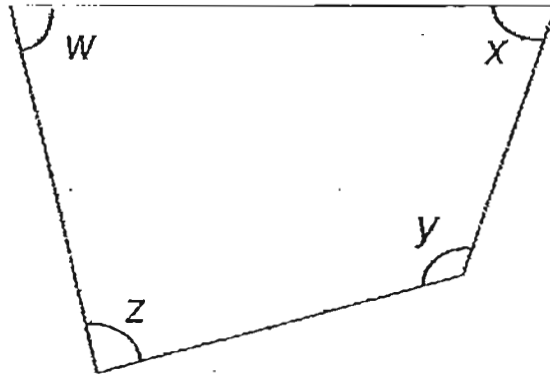(1) $\frac{2}{8}$

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

(3) $\frac{4}{18}$

(4) $\frac{5}{20}$

4 $6\frac{5}{7} = \frac{\Box}{7}$

What is the missing number in the box?

(1) 30
(2) 37
(3) 42
(4) 47

5 In the figure below, which angle is greater than a right angle?

(1) ∠w
(2) ∠x
(3) ∠y
(4) ∠z

6 Find the sum of 0.5 and 83.21.

(1) 82.71
(2) 83.26
(3) 83.71
(4) 88.21

7 In which of the following numbers, does the digit '7' have the largest value?

(1) 40 794
(2) 45 470
(3) 47 531
(4) 49 687

8 What is the length of a square with an area of 64 cm²?

(1) 8 cm
(2) 16 cm
(3) 32 cm
(4) 48 cm

9   The figure is made up of 2 rectangles ABCD and WXYZ. Which of the
     following lines is perpendicular to AB?
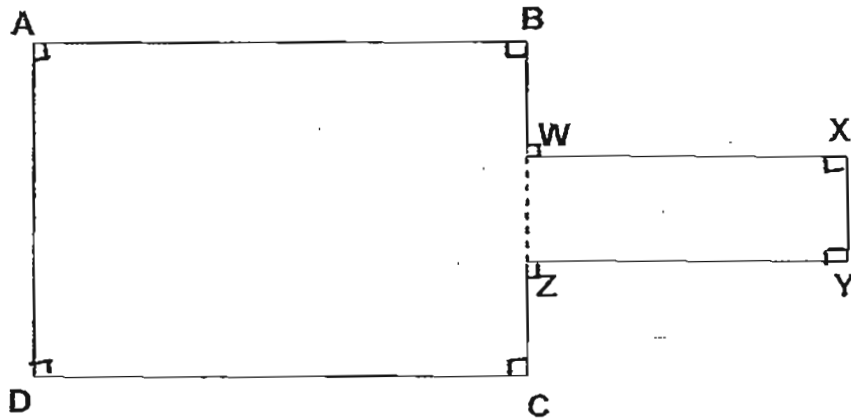
     (1)   CD
     (2)   BW
     (3)   WX
     (4)   YZ

10   A rectangular piece of cardboard has a perimeter of 68 cm. What is
     the breadth of the piece of cardboard if its length is 21.5 cm?

     (1)   12.5 cm
     (2)   23.25 cm
     (3)   25 cm
     (4)   46.5 cm

11   20 tens, 5 tenths and 6 thousandths is the same as _____.

     (1)   20.56
     (2)   20.506
     (3)   25.006
     (4)   200.506

12   0.375 is not equal to _____.

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

     (2) $\frac{15}{40}$

     (3) $\frac{375}{100}$

     (4) $\frac{375}{1000}$

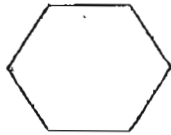13   Divide 5 by 6. Round off your answer to the nearest tenth.

(1)   0.8
(2)   0.9
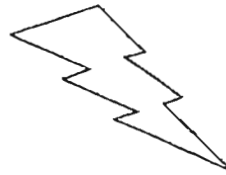(3)   1.2
(4)   8.3
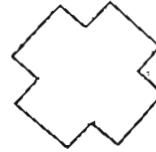
14   Which of the figures below has no line of symmetry?

A   B   C   D

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

15   A group of children have 18 toy trains and 24 toy cars. Each type of
toy is shared equally among the children. How many children are
there in the group?

(1)   21
(2)   8
(3)   6
(4)   4

16   Mr Tan had some pork. He sold 12.55 kg of pork to Mrs Koh and
23.85 kg to Mrs Chan. The remaining amount of pork was packed
equally into 3 packets of 7.3 kg each. How much pork did Mr Tan
have at first?

(1)   36.4 kg
(2)   43.7 kg
(3)   51.0 kg
(4)   58.3 kg

Look at the diagram below carefully. Use it to answer Questions 17 and 18.
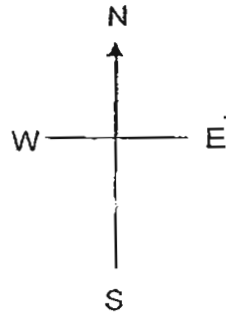
17 Eugene is facing West. How many $\frac{1}{4}$-turns in the anti-clockwise direction must he make to face North?

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

18 Shirley and Tammy faced the same direction at first. Then Shirley turned 135° anti-clockwise and Tammy turned 90° clockwise. If Shirley faced East after the turn, which direction did Tammy face in the end?

(1)   South
(2)   South-West
(3)   North-West
(4)   North-East

19 Mrs Foo wanted to bake 2 muffins each for 180 people. She needed 3 eggs to bake 4 muffins. How many eggs must she buy?

(1)   90
(2)   270
(3)   360
(4)   480

20 Linda celebrated her birthday on Friday at 20 30. Kimberly celebrated her birthday 22 hours later. On what day and at what time did Kimberly celebrate her birthday?

(1)   Thursday 16 30
(2)   Thursday 17 30
(3)   Saturday 18 30
(4)   Saturday 19 30

5

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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 6 to Page 14
(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. What is the sum of all the factors of 12?

Ans:_____

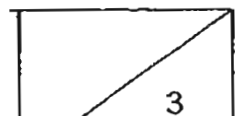22. The figure below, not drawn to scale, shows a square ABCD. Find $\angle y$.
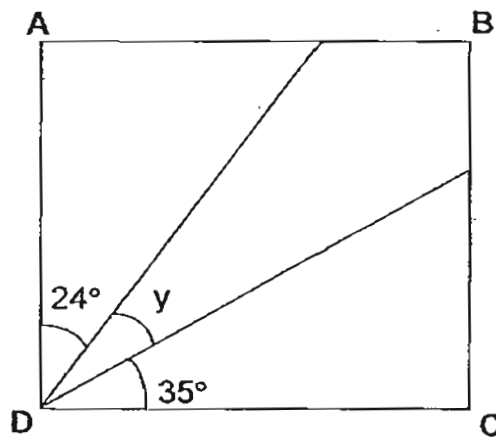
Ans:_____

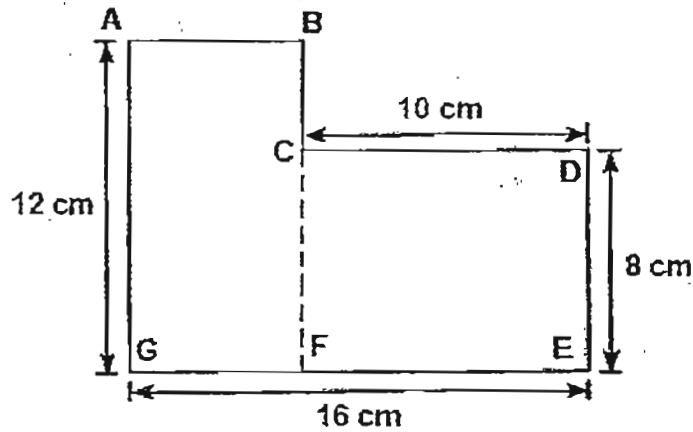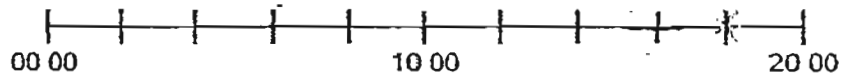23. In the figure below, how many pairs of perpendicular lines are there?

Ans:_____

6
3
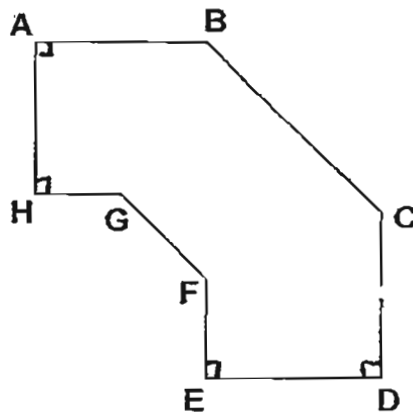
24. Find the perimeter of the figure below.

A   B

          10 cm
        C|←——————→|
                    D

12 cm

                    8 cm

        G   F   E

        |←——————→|
           16 cm

Ans:_____ cm

25 In the time line below, mark a cross (x) to show 6.00 pm.

├──┼──┼──┼──┼──┼──┼──┼──╳──┤
00 00   10 00   20 00

26 Benjamin had 34 155 picture cards. He had 6 479 picture cards more than Tommy. How many picture cards did both of them have altogether?

Ans:_____

27 Round off the difference of 165 hundredths and 73 tenths to 1 decimal place.

Ans:_____

7
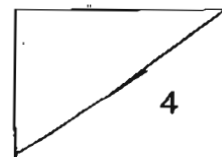
The line graph below shows the amount of money Mr Wong earned from selling food from July to December. Study the graph carefully and use it to answer Questions 28 and 29.
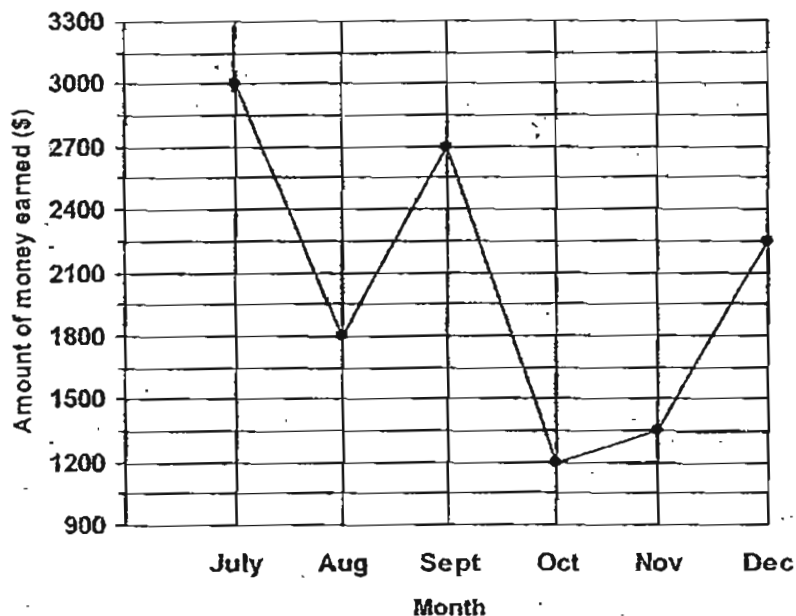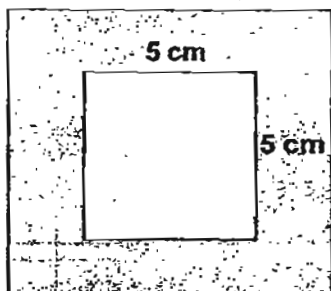

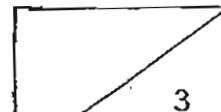**28** What was the difference in Mr Wong's earnings for July and October?

Ans: $_____

29 Mr Wong earned 2 times as much in one particular month than in another month. Which were the two months?

Ans: _____ and _____

30 The figure below is made up of 2 squares. If the shaded area is 56 cm², what is the area of the bigger square?

5 cm

5 cm

Ans: _____ cm²

8

3

31 Write twelve thousand and sixty-two in figures.

Ans: _____

32 Write the missing number in the number pattern below.

4 649 , 4 799 , 4 949 , _____ , 5 249

Ans: _____

33 What number is 10 more than 9 997?

Ans: _____

34 Which two of the fractions below are smaller than $\frac{1}{2}$?

$$\frac{2}{3} \, , \, \frac{3}{7} \, , \, \frac{4}{8} \, , \, \frac{5}{11}$$

Ans _____ and _____

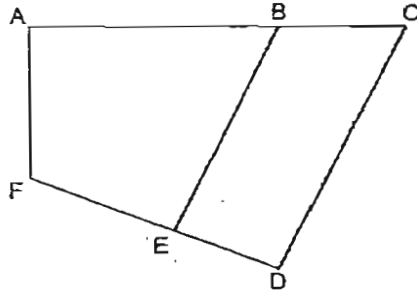**35** Find the value of $1 - \frac{1}{6} - \frac{1}{3}$.

Ans: _____

10
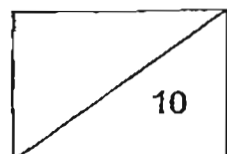
36 In the figure below, one of the lines is parallel to BE.
Which line is parallel to BE?

Ans:_____

37 Arrange the following numbers in order from the greatest to the smallest.

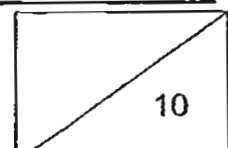0.089 , 0.908 , 0.809

Ans: _____ , _____ , _____
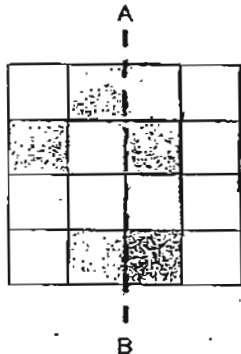(greatest)   (smallest)

38 Round off 14.55 to the nearest whole number.

Ans:_____

39 Find the value of 5.83 × 7.

Ans: _____

40 Shade three more squares to complete the figure which has the dotted line AB as a line of symmetry.

10

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   Helen was preparing for her Science examination. She managed to revise $\frac{1}{3}$ of her textbook on Saturday and $\frac{5}{9}$ of it on Sunday.

a)   What fraction of the textbook did she revise in the two days?

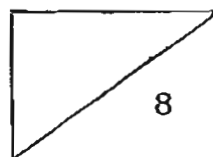b)   If she had 6 more pages to read, how many pages were there in the textbook?

Ans: (a)_____[2]

(b)_____[2]

42   Out of 200 people in a foodcourt, $\frac{3}{5}$ of them were females. How many males wore ties if 36 of them did not wear ties?

Ans: _____4]

11

8

43 Andrew, Bryan and Charles have 520 stickers. Andrew has $\frac{1}{2}$ as many stickers as Bryan. Bryan has 20 fewer stickers than Charles. How many stickers does Charles have?
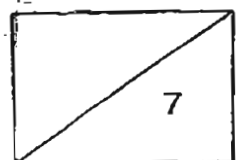
Ans:_____ [3]

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44 In November, Peter had twice as much savings as Rachel. In December, Peter did not save any money but Rachel managed to save $917. Thus, she now has 4 times as much savings as Peter. Find their total savings in December.
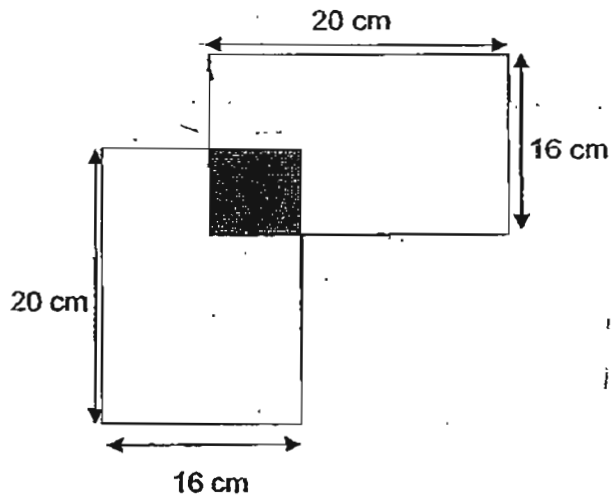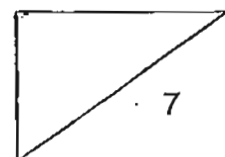
Ans: _____ [4]

7

45 Mrs Toh has 2 classes of 38 pupils each. She wants to give 3 lollipops to each child. What is the minimum number of packets of lollipops she needs to buy if there are only 9 lollipops in each packet?

Ans: _____ [4]

---

46 The figure below is made up of 2 identical rectangles. The length of the rectangle is 20 cm and the breadth is 16 cm. The two rectangles overlap to form a shaded square of side 6 cm. Find the perimeter of the figure.

20 cm

16 cm

20 cm

16 cm

Ans: _____ [3]

7

47   At the supermarket, Mrs Lim bought 3 kg of prawns at $12.50 per kg and $9.25 for some fruit. If she gave the cashier a $100 note, how much change did she receive?
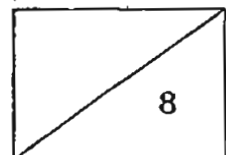
Ans: _____ [4]

48   4 similar books and 3 similar files cost $70.50. 2 such books and 2 such files cost $37. What was the cost of 2 such books?
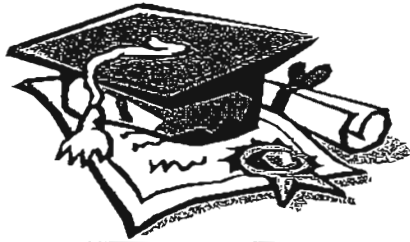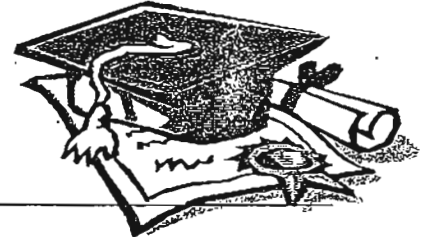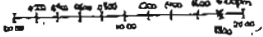
Ans: _____ [4]

End of Paper

8

14

ANSWER SHEET

SCHOOL : RED SWASTIKA
SUBJECT : PRIMARY 4 MATHEMATICS

TERM : SA2

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

Q18	Q19	Q20
3	2	3

21)28   22)31°   23)4   24)56cm   25) [number line diagram]

26)61831   27)5.7   28)$1800   29)November and September

30)81cm2   31)12062   32)5099   33)10007   34)3/7, 5/11

35) ½   36)CD   37)0.908, 0.809, 0.089   38)15

39)40.81   40) [figure with grid, line AB]
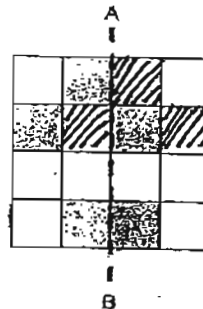
41)a)1/3 = 3/9
   5/9 + 3/9 = 8/9
   b)1u→6
   6 x 9 = 54 pages

42)1u→200÷5 = 40
   M→40 x 2 = 80
   80 – 36 = 44 of them wear ties

43)520 – 20 = 500
   1u→500÷5 = 100
   C→100 x 2 = 200
   200 + 20 = 220 stickers

44)1u→$917÷7 = $131
   Total→$131 x 10 = $1310

45)38 x 3 = 114
   114 x 2 = 228
   228 ÷9 = 25R3
   ≈26 packets

46) 20cm − 6cm = 14cm
16 − 6cm = 10cm
20cm x 2 = 40cm
16cm x 2 = 32cm
14cm x 2 = 28cm
10cm x 2 = 20cm
40cm + 32cm + 28cm + 20cm = 120cm

47) $12.50 x 3kg = $37.50
$37.50 + $9.25 = $46.75
$100 − $46.75 = $53.25

48) 2b/1f→$70.50 − $37 = $33.50
1f→$37 − $33.50 = $3.50
2f→$3.50 x 2 = $7.00
2b→$37 − $7 = $30