



RED SWASTIKA SCHOOL

# RED SWASTIKA SCHOOL

## 2011 END-OF-YEAR EXAMINATION

### MATHEMATICS

Name : \_\_\_\_\_ (      )

Class : Primary 3 / \_\_\_\_\_

Date : 31 Oct 2011

45 Questions

100 Marks

Duration of Paper : 1 hour 45 minutes

Note:

In this paper, you should have the following:

(a) Page 1 to Page 14

(b) Questions 1 to 45

MARKS	OBTAINED	POSSIBLE
TOTAL		100

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

**Section A : 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.

(40 marks)

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1 In 3 609, the digit 6 is in the \_\_\_\_\_ place.

- (1) ones
- (2) tens
- (3) hundreds
- (4) thousands

2 Four thousand, two hundred and twenty-four is the same as \_\_\_\_\_.

- (1) 4 024
- (2) 4 042
- (3) 4 224
- (4) 4 242

3 The difference between 6 558 and 6 540 is \_\_\_\_\_.

- (1) 8
- (2) 10
- (3) 18
- (4) 180

4  $6 + 6 + 6 + 6 + 6 = \square \times 6$

What is the missing number in the box?

- (1) 7
- (2) 6
- (3) 5
- (4) 4

5 Find the value of  $170 \div 5$ .

- (1) 34
- (2) 165
- (3) 175
- (4) 850

6 The distance between Ali's house and his school is 2 km 500 m. What is the distance in metres?

- (1) 2 005 m
- (2) 2 050 m
- (3) 2 500 m
- (4) 2 550 m

7 Mrs Lee bought a blouse for \$13.35 and a skirt for \$8.30. How much did she spend altogether?

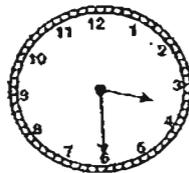
- (1) \$5.05
- (2) \$11.65
- (3) \$21.60
- (4) \$21.65

8  $\frac{3}{4} = \frac{6}{\square}$

What is the missing number in the box?

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

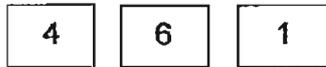
9 The time shown on the clock below is \_\_\_\_\_.



- (1) 30 mins to 3
- (2) 30 mins to 4
- (3) 18 mins past 3
- (4) 18 mins past 6

- 10 What is the perimeter of a square of side 8 cm?
- (1) 16 cm
  - (2) 24 cm
  - (3) 32 cm
  - (4) 64 cm
- 11 Complete the number pattern below.
- 5 125 , 5 275 , 5 425 , \_\_\_\_\_ , 5 725
- (1) 5 475
  - (2) 5 525
  - (3) 5 575
  - (4) 5 625
- 12 Jim has 2 768 marbles. Lily has 1 131 marbles. Find the sum of the number of marbles they have.
- (1) 1 637
  - (2) 1 657
  - (3) 3 799
  - (4) 3 899
- 13 Mrs Lee sold 315 egg tarts on Monday. Mrs Smith sold 3 times as many egg tarts as Mrs Lee on the same day. How many egg tarts did Mrs Smith sell?
- (1) 105
  - (2) 158
  - (3) 630
  - (4) 945
- 14 Express 8 050 g in kg and g.
- (1) 8 kg 5 g
  - (2) 8 kg 50 g
  - (3) 80 kg 5 g
  - (4) 80 kg 50 g

15



Kexin used all the number cards to make different 3-digit numbers. How many even numbers can she make?

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

16

$1\ 938 = \square$  hundreds + 20 tens + 38 ones

What is the missing number in the box?

- (1) 17
- (2) 19
- (3) 1 700
- (4) 1 900

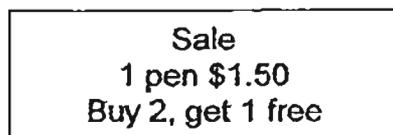
17

Which of the following is equivalent to  $7 \times 5$ ?

- (1) 7 groups of 5
- (2)  $7 + 7 + 7 + 7$
- (3)  $35 \div 7$
- (4) 75

18

The picture below shows a poster at a school bookshop.



How many pens can Linda get if she has paid \$6 altogether?

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

19 Which set of fraction below gives the greatest value?

(1)  $\frac{1}{12} + \frac{2}{3}$

(2)  $\frac{1}{12} + \frac{2}{4}$

(3)  $\frac{1}{12} + \frac{2}{6}$

(4)  $\frac{1}{12} + \frac{1}{6}$

20 The area of Figure B is half the area of Figure A. What is the total area of the figures shown below?

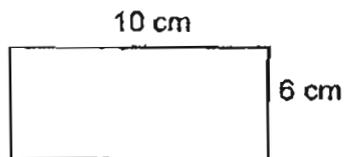


Figure A



Figure B

- (1)  $15 \text{ cm}^2$
- (2)  $30 \text{ cm}^2$
- (3)  $60 \text{ cm}^2$
- (4)  $90 \text{ cm}^2$

**Section B : Short-Answer Questions**

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 Subtract 6 987 from 7 789.

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

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22 There are 30 vases in a box. How many vases are there in 9 such boxes?

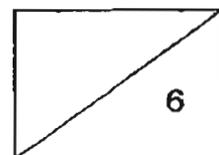
Ans: \_\_\_\_\_

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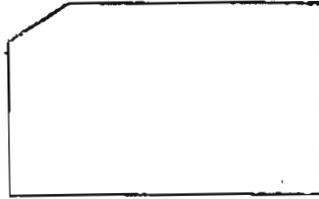
23 Mr Tan bought some pencils to give away to his 6 pupils. After each of his pupils received 77 pencils, he still had 3 pencils left. How many pencils did Mr Tan buy?

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

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24 How many side(s) and angle(s) are there inside the figure?



Ans: \_\_\_\_\_ side(s)

\_\_\_\_\_ angle(s)

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25 Sally bought 248 packets of candies for Children's Day. There were 2 candies in each packet. She gave away 380 candies. How many candies were left?

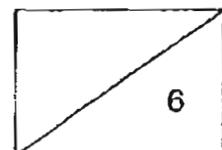
Ans: \_\_\_\_\_

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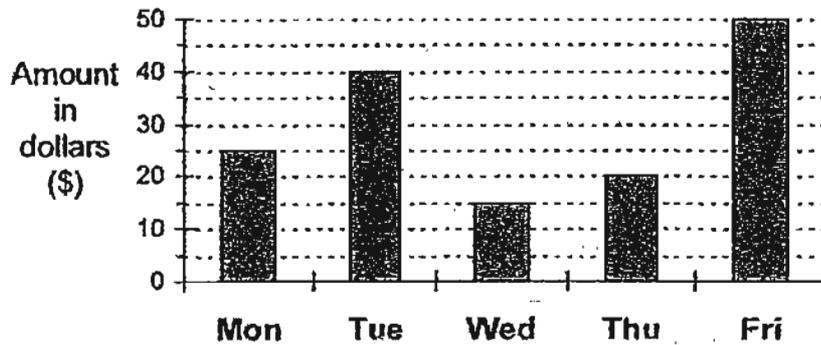
26 Tank A contained 5 l 200 ml of water. Tank B contained 3 l 150 ml of water. How much more water was there in Tank A than in Tank B? Express your answer in ml.

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

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The bar graph below shows the amount of money Nadia earned from selling ice cream for five days. Study the graph carefully and use it to answer Questions 27 to 30.



27 On which day did Nadia earn the least?

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

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28 How much did she earn from Monday to Wednesday?

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

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29 How much less did she earn on Thursday than on Tuesday?

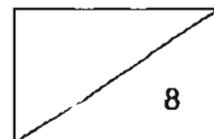
Ans: \$ \_\_\_\_\_

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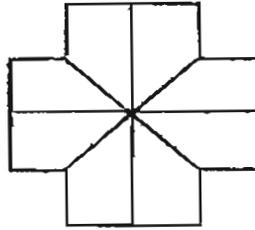
30 The total amount she earned on two days is the same as what she earned on Tuesday. Which are the two days?

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

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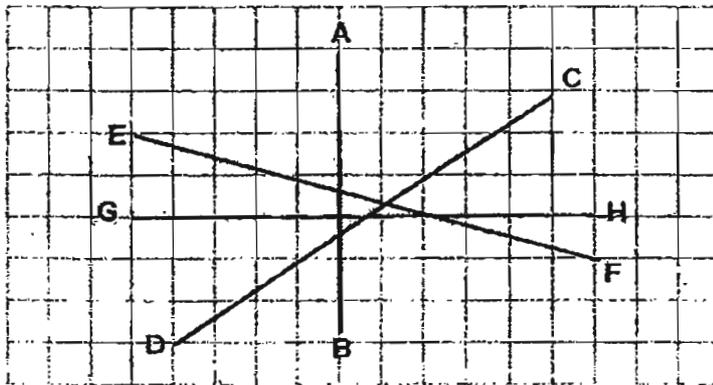
- 31 Shade  $\frac{3}{8}$  of the figure below.



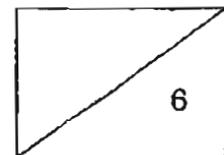
- 32 Jim takes 96 minutes to complete his homework. John takes 1 hr 25 min to complete his homework. Who took a shorter time in completing the homework?

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

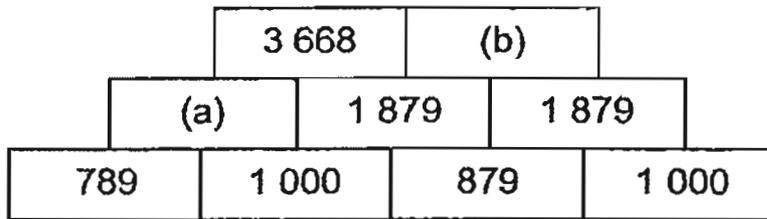
- 33 Which line is perpendicular to AB?



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



34 What are the missing numbers?



Ans: (a) \_\_\_\_\_

(b) \_\_\_\_\_

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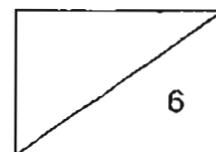
35 The sum of two numbers is 119. The difference between these two numbers is 5. What is the bigger number?

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

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36 Mr Hong has 256 stamps. Mr Lee has 4 times as many stamps as Mr Hong. How many stamps do they have altogether?

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



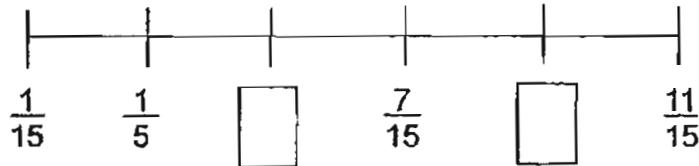
- 37 A piece of ribbon was cut into two pieces. The shorter piece is half as long as the longer piece. If the longer piece of ribbon is 90 cm, how long was the ribbon before it was cut?

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

- 38 An umbrella costs \$7.25. It costs \$1.70 more than a raincoat. How much do the two items cost altogether?

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

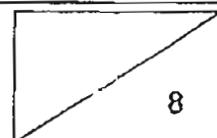
- 39 What are the missing fractions below? Write your answers in the boxes provided.



- 40 The figure below is made up of four small square tiles put together. If the perimeter of the figure is 48 cm, what is the area of 1 small square tile?



Ans: \_\_\_\_\_ cm<sup>2</sup>



**Section C : Long-Answer/Structured Questions**

For Questions 41 to 45, show your working clearly in the space below each question and write your answers in the spaces provided.

(20 marks)

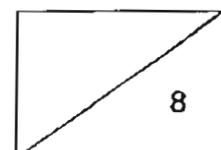
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41 A fruiterer had 4 baskets of durians. Each basket contained 163 durians. There were a total of 124 durians that were rotten. He divided the rest of the durians equally to his 3 friends.

- (a) How many durians were not rotten?
- (b) How many durians did each friend get?

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42 Sarah went to a park last Sunday. She started cycling from her home at 9.40 a.m. and reached the park in 1 h 15 min. At what time did she reach the park?



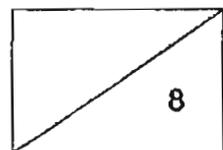
43 4 765 people attended a choir performance. There were 688 boys and twice as many girls as boys. The rest were adults.

(a) How many children attended the performance?

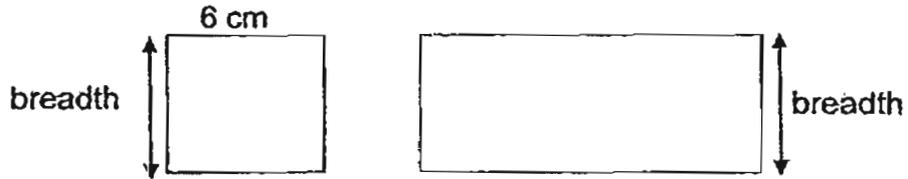
(b) How many adults attended the performance?

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44 Mr Ho is a fishmonger. The cost of 1 kg of salmon is \$15 more than 3 kg of tuna. If 1 kg of tuna costs \$36, how much would Mr Ho earn if he sold 5 kg of salmon on a certain day?

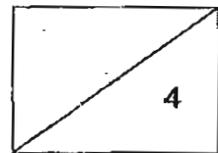


- 45 The figures below show a square and a rectangle which have the same breadth. If the length of the rectangle is 3 times its breadth, what is the total area of the square and rectangle?



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END OF PAPER



# Answer Ke

## EXAM PAPER 2011

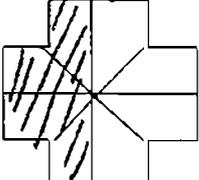
**SCHOOL : RED SWASTIKA**  
**SUBJECT : PRIMARY 3 MATHEMATICS**

**TERM : SA2**

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

Q18	Q19	Q20
2	1	4

- 21)802      22)270      23)465      24)5 side 5 angle      25)116  
 26)2050ml      27)Wednesday      28)\$80      29)\$20      30)Monday and Wednesday

- 31)       32)John      33)GH      34)a)1789      b)35.78  
 35)57      36)1280      37)135cm      38)\$12.80  
 39)5/15, 9/15      40)36cm<sup>2</sup>

- 41)a)  $163 \times 4 = 652$   
 $652 - 124 = 528$   
 528 durians were not rotten  
 b)  $528 \div 3 = 176$   
 Each friend got 176 durians.

- 45)  $6\text{cm} \times 3\text{cm} = 18\text{cm}^2$   
 $18\text{cm} \times 6\text{cm} = 108\text{cm}^2$   
 $6\text{cm} \times 6\text{cm} = 36\text{cm}^2$   
 $108\text{cm}^2 + 36\text{cm}^2 = 144\text{cm}^2$   
 The area is  $144\text{cm}^2$

- 42) 

She reached the park at 10.55a.m.

- 43)a)  $688 \times 2 = 1376$   
 $1376 + 688 = 2064$   
 2064 children attended the performance.  
 b)  $4765 - 2064 = 2701$   
 2701 adults attended the performance.

- 44)  $\$36 \times 3\text{kg} = \$108$   
 $\$108 + \$15 = \$123$   
 $\$123 \times 5\text{kg} = \$615$   
 Mr Ho earn \$615 if he sold 5kg of salmon on a certain day.

