

RED SWASTIKA SCHOOL
2010 SEMESTRAL ASSESSMENT 1
MATHEMATICS

Name : _____

Marks : _____ / 100

Class : Pr 3 / _____ ()

Date : 11 May 2010

Duration : 1 h 45 min

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)

-
- 1 How many hundreds are there in 2 600?
- (1) 20
 - (2) 26
 - (3) 200
 - (4) 260
- 2 What is the value of the digit 6 in the number 4 063?
- (1) 6
 - (2) 60
 - (3) 600
 - (4) 6 000
- 3 The value of 20 tens, 40 hundreds and 6 ones is _____.
- (1) 2 046
 - (2) 2 406
 - (3) 4 062
 - (4) 4 206
- 4 I am a 2-digit number. The digit in my tens place is 7 less than my digit in my ones place. I am less than 20. What number am I?
- (1) 15_e
 - (2) 16_e
 - (3) 17_z
 - (4) 18

5 _____ - 2 416 = 5 428. What is the missing number?

- (1) 3 012
- (2) 3 014
- (3) 7 844
- (4) 7 846

6 What number must be added to 6 063 to make 9 000?

- (1) 2 933
- (2) 2 937
- (3) 3 033
- (4) 3 037

7 The product of 209 and 6 is _____.

- (1) 354
- (2) 1 254
- (3) 1 256
- (4) 1 272

8 $24 \div 2 = \underline{\hspace{2cm}} - 6$

- (1) 6
- (2) 12
- (3) 18
- (4) 24

9 $72 \times 4 = \underline{\hspace{2cm}} \times 6$

- (1) 36
- (2) 48
- (3) 288
- (4) 1 728

10 What is the missing number in the box?

$$\boxed{\hspace{1cm}} \times 2 = 33 + 17$$

- (1) 25
- (2) 50
- (3) 52
- (4) 100

- 11 How many groups of 3 are there in 24?
- (1) 7
 - (2) 8
 - (3) 9
 - (4) 10
- 12 I have 176 marbles. If I put 4 marbles into each box, how many boxes do I need?
- (1) 34
 - (2) 44
 - (3) 54
 - (4) 704
- 13 I have a certain number. When I divide it by 3, I have a remainder of 1. When I divide it by 7, I have a remainder of 4. What is the number?
- (1) 45
 - (2) 46
 - (3) 47
 - (4) 48
- 14 Arju has 40 stickers. He has 4 times as many stickers as Fann. How many stickers do they have altogether?
- (1) 10
 - (2) 50
 - (3) 160
 - (4) 200
- 15 Max read 47 books. Yuxin read 24 more books than Max. Gobie read twice as many books as the both of them. How many books did Gobie read?
- (1) 71
 - (2) 118
 - (3) 142
 - (4) 236

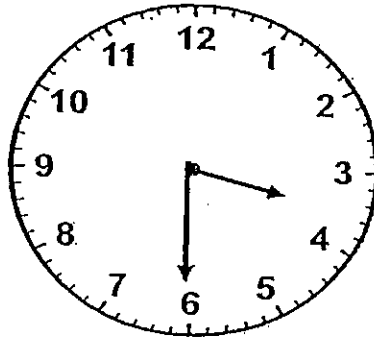
16 Junyan has 458 stickers and David has 246 stickers. How many stickers must Junyan give to David so that both of them have the same number of stickers?

- (1) 106
- (2) 352
- (3) 704
- (4) 824

17 Mandy wanted to add 34 to 97. She made a mistake and added 100 to 34. She must _____ to get the correct answer.

- (1) subtract 3
- (2) add 3
- (3) subtract 7
- (4) add 7

18 Look at the clock below. It is half an hour slower than the actual time. What is the actual time?

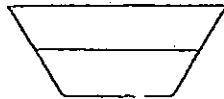


- (1) 2.00 p.m.
- (2) 2.30 p.m.
- (3) 3.00 p.m.
- (4) 4.00 p.m.

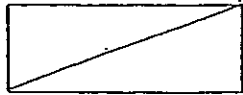
19 Which of the following figures shows two halves?



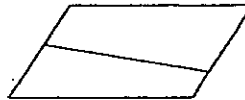
P



Q



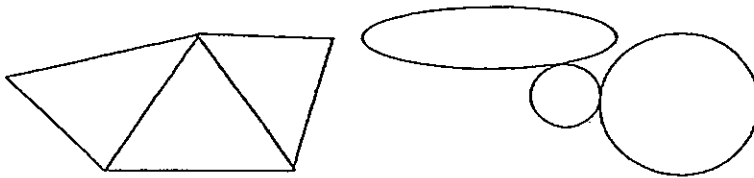
R



S

- (1) P
- (2) Q
- (3) R
- (4) S

20 Look at the figures below.



There is a total of _____ triangles and circles in all.

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

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)

21 What must be added to 200 to make 2 016?

Ans: _____

22 2 010, 2 020, 2 040, 2 070, _____

What is the missing number in the pattern?

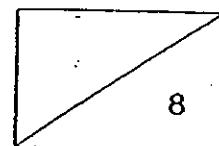
Ans: _____

23 Subtract 1 899 from 7 004. What is the answer?

Ans: _____

24 The sum of two numbers is 485. What must be taken away to get 30 tens?

Ans: _____



25 What is the quotient when 560 is divided by 6?

Ans: _____

26 James has \$200. If a T-shirt costs \$8, how many T-shirts can he buy?

Ans: _____

27 What is the missing number in the box?

$$218 \times 6 = \square + 218 + 218 + 218$$

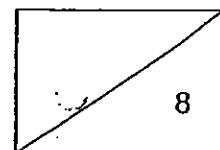
Ans: _____

28

$$\begin{array}{r} 6.2 \\ 7 \overline{) 4 \square 6} \\ - 42 \\ \hline 16 \\ - 1 \square \\ \hline 2 \end{array}$$

What are the 2 missing digits in the boxes?

Ans: _____ and _____



- 29 A box contains 46 apples and some pears. If the total number of fruits in the box is 129, how many pears are there in 3 such boxes?

Ans: _____

- 30 James sold 49 of his books. He divided the rest among 4 boys and each of them received 7 books. How many books had he at first?

Ans: _____

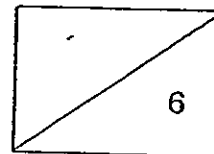
31 $\odot \times \odot = 49$

$$\blacktriangledown \times \blacktriangledown = 81$$

$$\text{■} \times \text{■} = 36$$

What is $\text{■} + \blacktriangledown + \odot$?

Ans: _____



- 32 4 identical tins weigh 20 kg. A box weighs the same as 1 such tin. What is the mass of such a box containing 4 tins?

Ans: _____ kg

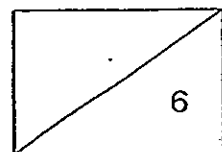
- 33 Samuel had 432 picture cards. After giving half of it to his friend, he shared the rest equally with his two cousins. How many picture cards did each of them get?

Ans: _____

- 34 What is the missing number in the box?

$$\square \div 8 = 60$$

Ans: _____

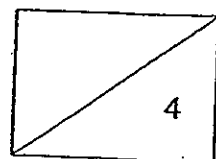


- 35 Fanny has 120 stamps. Her brother has 3 times as many stamps as she. How many stamps does her brother have?

Ans: _____

- 36 Richard went to the gym at 3.20 p.m. He did some exercises and left 45 minutes later. At what time did he leave the gym?

Ans: _____ p.m.



The graph below shows the sales of Cornetto Ice Cream in a week . Study it carefully and use it to answer questions 37 to 39.

Monday	▼ ▼ ▼ ▼ ▼
Tuesday	▼ ▼ ▼
Wednesday	▼ ▼ ▼ ▼ ▼ ▼ ▼
Thursday	▼ ▼ ▼ ▼
Friday	▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼
Each ▼	stands for 3 ice creams

37 How many ice creams were sold on Friday?

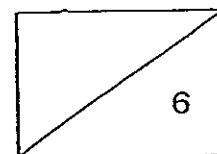
Ans: _____

38 How many more ice creams were sold on Thursday than on Tuesday?

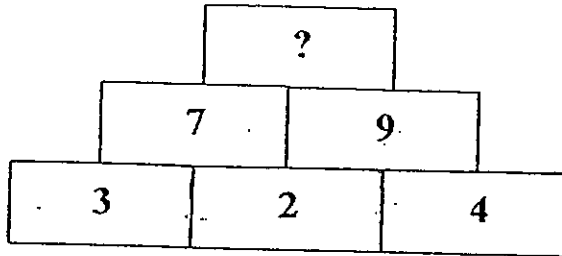
Ans: _____

39 On which day was the least number of ice creams sold?

Ans: _____

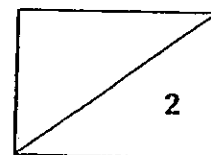


40



Study the number pattern carefully. What is the missing number?

Ans:



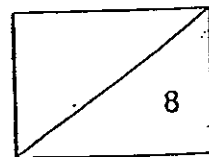
Section C : Long-Answer / Structured Questions

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)

-
- 41 Factory A can make 4 times as many toys as Factory B in a day. If Factory B makes 246 toys in a day, how many toys can both factories make in 3 days?

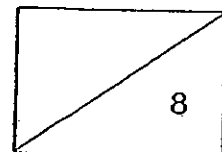
-
- 42 8 years ago, the total age of Michelle, Max and Mindy was 47 years. Now, Michelle is 22 years old and Max is 18 years old. How old is



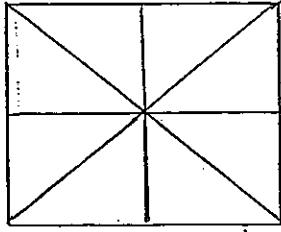
- 43 Nancy bought 6 shirts and some pants. There were 5 buttons on each shirt and 3 buttons on each pants. There were a total of 42 buttons in all. How many pants did she buy?

44 There were 768 red and green beans in a can. There were 126 more red beans than the green beans.

- a) How many green beans were there in the can?
- b) How many red beans were there in the can?



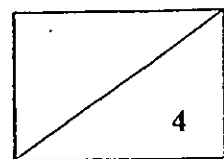
45



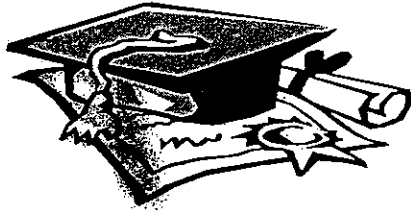
- a) Shade 3 eighths of the figure. [2]
- b) Having shaded $\frac{3}{8}$ of the figure, what fraction more of the figure must you shade to make $\frac{3}{4}$ of the figure shaded? [2]

END OF PAPER

Did you check your paper? ☺





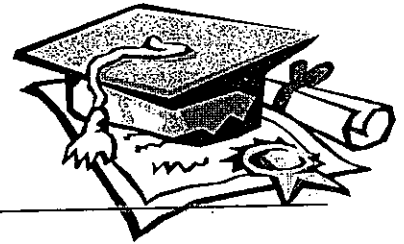


ANSWER SHEET

EXAM PAPER 2010

SCHOOL : RED SWASTIKA PRIMARY
SUBJECT : PRIMARY 3 MATHEMATICS

TERM : SA1



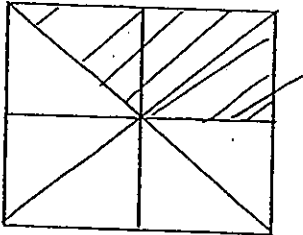
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15	Q16	Q17
2	2	4	4	3	2	2	3	2	1	2	2	2	2	4	1	1

Q18	Q19	Q20
4	3	1

- 21) 1816 22) 2110 23) 5105 24) 185 25) 93 26) 25
27) 654 28) 3 and 4 29) 249 30) 77 31) 22 32) 25
33) 72 34) 480 35) 360 36) 4.05 37) 30 38) 3
39) Tuesday 40) 64

<p>41) Factory A $\rightarrow 246 \times 4$ $= 984$ Both fac. In 1 day $\rightarrow 984 + 246$ $= 1230$ Both fac. In 3 days $\rightarrow 1230 \times 3$ $= \underline{3690}$</p>	<p>42) Michelle's age 8 yrs ago $\rightarrow 22 - 8$ $= 14$ Max's age 8 yrs ago $\rightarrow 18 - 8$ $= 10$ Mindy's age 8 years ago $\rightarrow 47 - 14 - 10$ $= 23$ Mindy's age now $\rightarrow 23 + 8$ $= \underline{31}$</p>
<p>43) $6 \times 5 = 30$ $42 - 30 = 12$ No. of pants $\rightarrow 12 \div 3$ $= \underline{4}$</p>	<p>44a) $768 - 126 = 642$ No. of green beans $\rightarrow 642 \div 2$ $= \underline{321}$</p> <p>44b) No. of red beans $\rightarrow 321 + 126$ $= \underline{447}$</p>

45a)



$$\begin{aligned} 45b) \quad \frac{3}{4} - \frac{3}{8} &= \frac{6}{8} - \frac{3}{8} \\ &= \underline{\frac{3}{8}} \end{aligned}$$