RED SWASTIKA SCHOOL

2011 SEMESTRAL ASSESSMENT 1

MATHEMATICS

Name :_____ (   )

Class : Primary 3 /_____

Date   : 12 May 2011

45 Questions
100 Marks
Duration of Paper : 1 hour 45 minutes

<u>Note:</u>

In this paper, you should have the following:
(a) Page <u>1</u> to Page <u>13</u>
(b) Questions <u>1</u> to <u>45</u>

Parent's Signature : _____

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 The value of 3 thousands, 4 hundreds and 6 ones is _____.

    (1)   346
    (2)   3 046
    (3)   3 406
    (4)   3 460

2 In 6 218, the digit 1 is in the _____ place.

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

3 2 196 is 10 tens less than _____.

    (1)   2 096
    (2)   2 186
    (3)   2 206
    (4)   2 296

4 92 hundreds and 5 ones is _____

    (1)   925
    (2)   9 025
    (3)   9 205
    (4)   9 250

5 How many even numbers are there between 1 781 and 1 801?

    (1)   9
    (2)   10
    (3)   11
    (4)   20

6   What is the value of 5 862 – 268?

    (1)   3 182
    (2)   5 594
    (3)   6 130
    (4)   8 542

7   The greatest odd number that can be formed using the digits 4, 0, 1
    and 5 is _____.

    (1)   4 015
    (2)   4 105
    (3)   5 401
    (4)   5 410

8   Charlie collected 2 080 stamps. Linda collected 220 more stamps than
    Charlie. How many stamps did they collect altogether?

    (1)   2 300
    (2)   2 520
    (3)   4 380
    (4)   4 600

9   Mr Brown had 3 800 chickens on his farm. He bought 500 more
    chickens and sold 650 chickens to a restaurant but 30 of them were
    returned to him. How many chickens did Mr Brown have on his farm in
    the end?

    (1)   3 620
    (2)   3 650
    (3)   3 680
    (4)   4 300

10 Mrs Tan bought 4 850 eggs but 28 of them were broken. After selling
    some of the eggs, she had 330 eggs left. How many eggs did Mrs Tan
    sell?

    (1)   4 492
    (2)   4 520
    (3)   4 822
    (4)   5 152

11 How many eights are there in 24?

(1) 8
(2) 2
(3) 3
(4) 4

12 The quotient of 936 ÷ 6 is _____.

(1) 156
(2) 930
(3) 942
(4) 5 616

13 The product of 235 and 7 is _____.

(1) 228
(2) 242
(3) 1 645
(4) 2 357

14 I think of two numbers. When I multiply each of them by 7, the two answers are more than 30 but less than 45. What are the two numbers?

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

15 16 + 14 = 18 + ☐

(1) 12
(2) 18
(3) 30
(4) 48

16 The product of 650 and 6 gives the same answer as subtracting 4 000 from a number. What is the number?

(1) 3 350
(2) 3 900
(3) 4 650
(4) 7 900

3

17 Jane has 32 ribbons. Mary has 5 times as many ribbons as Jane. How many ribbons must Mary give to Jane so that they will have the same number of ribbons?

(1) 32
(2) 64
(3) 128
(4) 160

18 There are _____ quarters in 3 wholes.

(1) 15
(2) 12
(3) 7
(4) 4

19 Which of the following has only flat surfaces?

(1)   (2)

(3)   (4)
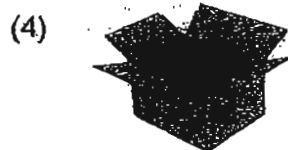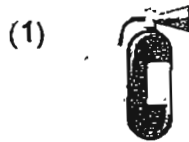
20 The length of the whiteboard in my class is about _____.

(1) 20 centimetres
(2) 2 metres
(3) 40 centimetres
(4) 4 metres

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 The whole number just after 3 209 is _____.

Ans: _____

22 6 132 , 6 142 , _____ , 6 162 , 6 172

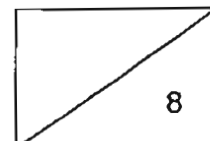What is the missing number in the pattern?

Ans: _____

23 How many tens are there in 2 thousands and 6 tens?

Ans: _____

24 900 is greater than 259 + _____

What is the **greatest** possible whole number in the blank above?

Ans: _____

8

5

25   5 860 is 20 tens more than _____.

Ans:_____

26   Fill in the boxes using all the digits 3, 4, 5, 6 to complete the addition.
      (Use each digit only once.)

      [1] [2] [ ] [ ]

    + _____ [ ] [ ]
      _____
      [1] [2] [8] [1]

27   There are 828 pink and blue magnets in a box. The number of pink
      magnets is 3 times the number of blue magnets. How many more pink
      magnets than blue magnets are there in the box?

Ans:_____

28   Rina has twice the number of stickers as Sarah at first. If Sarah has
      26 stickers left after giving 12 stickers to Jane, how many stickers
      does Rina have at first?

Ans:_____

6

8
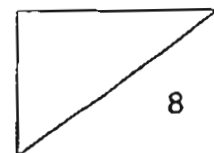
29   What is 325 × 6?

Ans:_____

30   How many groups of 6 are there in 54?

Ans:_____

31   When 528 is divided by 5, it gives a remainder of _____.

Ans:_____

32   15 × 4 = _____ ÷ 8

What is the number in the blank?

Ans:_____

8
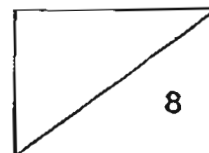
33 Mrs Tan needs 3 packets of flour to bake 24 cupcakes. How many cupcakes can she bake with 5 packets of flour?

Ans:_____

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34 Count in steps of six and you can find me. Divide the digit in my ones place by 2 and you will get the digit in my tens place. I am more than 15 but less than 35. What number am I?

Ans:_____

35

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    2   0   1   [ ]   ←——— First Number
    3   1   [ ] [ ]   O
  + 1   2   [ ]   4   ←——— Third Number
  ─────────────────
    6   4   6   7
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Googol spilled some ink over his paper. Fill in the missing digits in all the boxes. In the first number, the digit in the ones place is twice the digit in the tens place. In the third number, the digit in the tens place is four times the digit in the hundreds place.

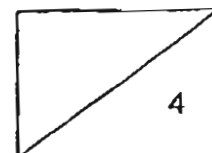
36
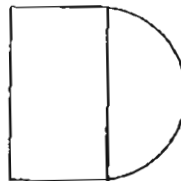
Study the figure above. It is made up of a _____

and a _____.

8
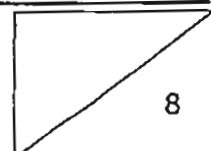
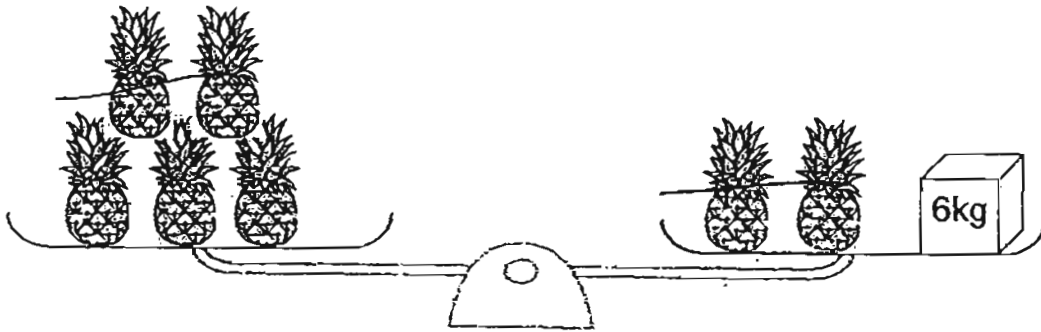The graph below shows the number of sweets some children have. Study it carefully and answer Questions 37 and 38.

Mandy	🍬 🍬
Clarise	🍬 🍬 🍬
Wendy	
Tommy	🍬 🍬 🍬 🍬 🍬
Fred	🍬 🍬 🍬 🍬
Each 🍬 stands for 4 sweets	

37   How many more sweets does Tommy have than Clarise?

Ans:_____

38   If Wendy has 12 sweets, complete the graph by drawing the number of sweets that she has.

9

39 Each of the pineapples shown in the picture above has the same mass. What is the mass of **each** pineapple?
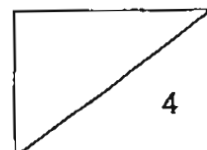
Ans:_____kg

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40 John started doing his homework at 2.20 p.m. as shown below.

He used half an hour to do his English homework and an hour to complete his Art assignment. He slept after that and woke up at 5.50 p.m. for his dinner. How long did John sleep?

Ans:_____hr

4

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   A library had 7 000 books in the morning. 1 528 books were returned in the afternoon and some books were loaned out. There were 6 520 books left in the library when it closed in the evening. How many books were loaned out?

42   2 500 people attended a concert. 1 600 of them were adults and the rest were children. There were 230 more girls than boys. How many boys attended the concert?

8
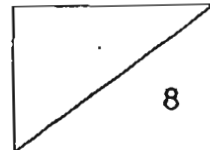
43 Henry had some pencils. 6 of them were broken and thrown away. Henry kept 10 pencils for himself and divided the remaining pencils equally among his 3 friends. Each of his friend received 5 pencils. How many pencils did Henry have at first?

44

$\diamondsuit \times \heartsuit = 6$

$\heartsuit \times \heartsuit = \hexagon$

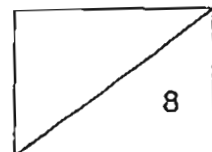$\boxed{\text{L}} \times \diamondsuit = 18$

$18 - \hexagon = 14$

Fill in the numbers in the blanks below.

$\hexagon$ is _____

$\heartsuit$ is _____

$\diamondsuit$ is _____
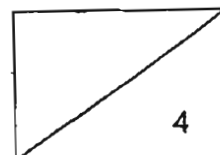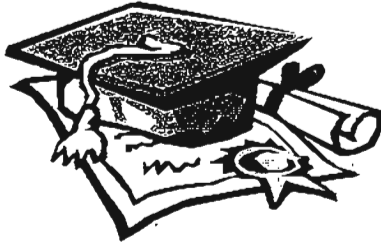
$\square$ is _____

12

45 Sally and Haron had a total of $288. After Sally bought a book for $12 and Haron bought a bat for $18, they had the same amount of money left. How much money did Haron have at first?
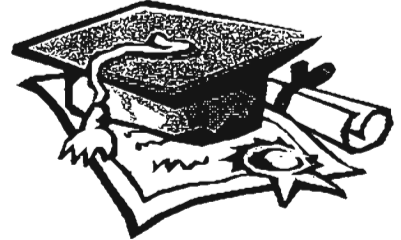
4

ANSWER SHEET

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

Q18	Q19	Q20
2	4	4

21) 3210   22) 6152   23) 206   24) 640   25) 5660

26)
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  1235
+   46
  1281
```
27) 414   28) 76   29) 1950   30) 9

31) 3   32) 480   33) 40   34) 24

35)
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  2012
  3171
 +1284
  6467
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36) rectangle and a semi-circle

37) 8   38) Wendy→ 🍬🍬🍬   39) 2kg   40) 2hr

41) $7000 + 1528 = 8528$
$8528 - 6520 = 2008$
2008 books were loaned out

42) $2500 - 1600 = 900$
$900 - 230 = 670$
$670 \div 2 = 335$

43) $6 + 10 = 16$
$3 \times 5 = 15$
$16 + 15 = 31$
Henry had 31 pencils at first.

44) 4 2 3 6

45) $\$288 - \$12 - \$18 = \$258$
$\$258 \div 2 = \$129$
$\$129 + \$18 = \$147$