RAFFLES GIRLS' PRIMARY SCHOOL

SEMESTRAL ASSESSMENT (1)

2007

Name : _____ Class: P4_____ Index No: _____

| **9 May 2007** | **MATHEMATICS** Att: 1 h 45 min |

Your Score Out of **100** marks		
	Class	Level
Highest score		
Average score		
Parent's Signature		

SECTION A (25 marks)

For questions 1 to 5, one mark is awarded. For questions 6 to 15, two marks are awarded. Choose the correct answer from the four options given and write its number (1, 2, 3 or 4) in the brackets provided.

1. In 96 532, the digit 6 is in the _____ place.

   1) hundreds
   2) thousands
   3) ten thousands
   4) hundred thousands   (   )

2. Find the difference between 3642 and 2189, rounding off your answer to the nearest hundreds.

   1) 1400
   2) 1450
   3) 1460
   4) 1500   (   )

3. There are 8 seeds in each long bean. How many seeds are there if there are 408 long beans?

   1) 51
   2) 501
   3) 3264
   4) 3344   (   )

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4.   Multiply 584 by 7 tens. The answer is _____.

    1)   4068
    2)   4088
    3)   40880
    4)   408800   (   )
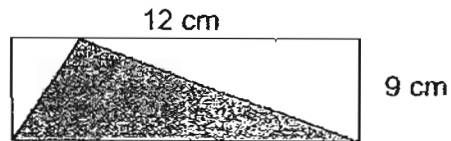
5.   The difference between 1850 cm and 2039 cm is _____.

    1) 1 m 89 cm
    2) 4 m 89 cm
    3) 10 m 89 cm
    4) 45 m 89 cm   (   )

6.   The rectangle below is not drawn to scale. Find the area of the shaded triangle.

12 cm

9 cm

    1)   24 cm^2
    2)   42 cm^2
    3)   54 cm^2
    4)   108 cm^2 (   )
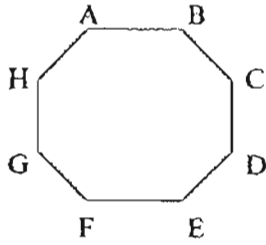
7.   A chair is half as heavy as a table. If the chair is 5362 g, how heavy is the table?

    1)   1 kg 724 g
    2)   2 kg 681 g
    3)   10 kg 724 g
    4)   26 kg 081 g   (   )

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8. The figure below is a regular octagon. Line AB is parallel to line _____.

1) BC
2) CD
3) DE
4) EF   (   )

9. Express $12\frac{1}{3}$ as an improper fraction. The answer is _____.

1) $\frac{13}{3}$

2) $\frac{16}{3}$

3) $\frac{36}{3}$

4) $\frac{37}{3}$ (   )

10. Subtract $\frac{6}{11}$ from 3. The answer is _____.

1) $\frac{5}{11}$

2) $1\frac{5}{11}$

3) $2\frac{5}{11}$

4) $3\frac{6}{11}$ (   )

11. The sum of 62 tens and _____ hundreds is 84 220.

    1)   800
    2)   836
    3)   840
    4)   900   (   )

12. What is the difference between the greatest and the smallest factor of 99?

    1)   30
    2)   66
    3)   96
    4)   98   (   )

13. Which of the following is **not** a multiple of 12?

    1)   12
    2)   36
    3)   64
    4)   84   (   )

14. Raju had 8 times as many marbles as Sulin. If Raju had 840 marbles, how many marbles did they have altogether?

    1)   105
    2)   945
    3)   6720
    4)   7560   (   )

15. The fractions $\frac{3}{4}$, $\frac{1}{2}$ and $\frac{5}{8}$ arranged in descending order is _____.

    1) $\frac{3}{4}$, $\frac{1}{2}$, $\frac{5}{8}$

    2) $\frac{1}{2}$, $\frac{3}{4}$, $\frac{5}{8}$

    3) $\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$

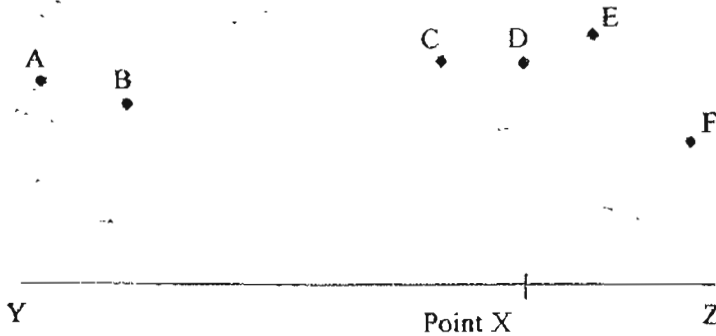   4) $\frac{3}{4}$, $\frac{5}{8}$, $\frac{1}{2}$ (   )

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Write the correct answer for each sum in the box/boxes provided. Each question carries two marks.

16. $\dfrac{128}{11}$ expressed as a mixed number is _____ .

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┌──────────────┐
│              │
└──────────────┘
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17. A square has an area of 64 cm². What is the perimeter of the square?

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┌──────────────┐
│         cm   │
└──────────────┘
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18. Which point when join to X with a straight line will be perpendicular to line YZ?

A
B
C   D   E
F

Y ————————————————————— Z
Point X

```
┌──────────────┐
│              │
└──────────────┘
```

19. Mary has the same number of 10-cent and 50-cent coins. Their total value is $4.20. How many 50-cent coins does she have?

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┌──────────────┐
│              │
└──────────────┘
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20. How many pairs of parallel lines are there in the letter H?
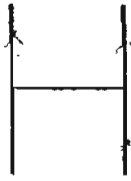
21. Measure angle A.
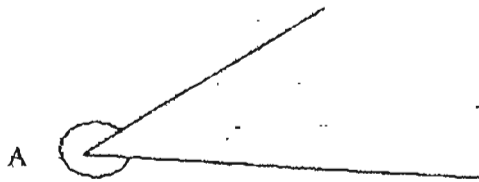
22. How many eighths are there in $2\frac{3}{4}$?

23. What is $\frac{7}{8}$ of 96?

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24. The smallest 5-digit **even** number that can be formed with the digits 7, 8 , 0 , 1 and 3 is _____.

25. The value of the digit 8 in 78 231 is _____ times the value of the digit 8 in 850.

26. A number of biscuits were given to some pupils. Each pupil received 6 biscuits and 5 biscuits were left over. If there were 6 pupils, how many biscuits were there?

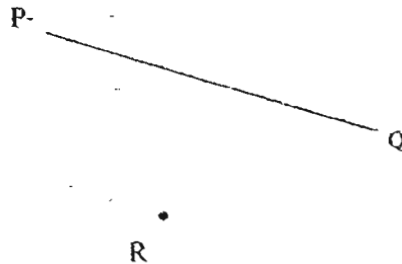27. If the perimeter of this rectangle is 52 cm, what is the breadth of the rectangle?

◄——— 18 cm ———►
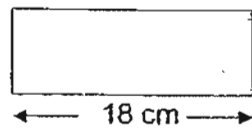
cm

28. The figure below is made up of two squares of sides 8 cm and 3 cm respectively. Find the area of the **unshaded** part.

8 cm

3 cm
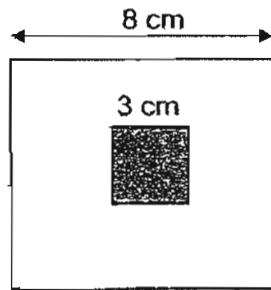
	cm²

29. Draw a line parallel to the line PQ passing through the point R.

P-

Q

•
R

30. You are facing south-west. If you turn 270^0 anticlockwise, you will face _____.

31. Ann wants to buy 27 kg of crabs. A kilo of crabs costs $19. How much does she have to pay in all?
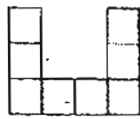
$

32. $4\frac{7}{8} = 4 + \boxed{} \times \frac{1}{8}$

The missing number in the box is _____
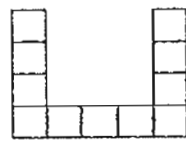
33. How many squares will there be in pattern 5?
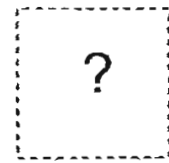

(1)   (2)   (3)   (4)   (5)

34. What fraction is between $\frac{5}{7}$ and $\frac{12}{14}$?

35. There are 15 apples and 5 oranges in a refrigerator. If $\frac{2}{5}$ of the fruits are bad and thrown away, what is the number of fruits left?

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40. Basket A and Basket B have the same mass when empty. When 63 eggs are put into Basket A, it weighs 1 kg 8 g. When 54 eggs are put into Basket B, it weighs 891 g. What is the mass of the empty basket? (4m)

Basket A

(Basket + Eggs = 1 kg 8g)

Basket B

(Basket + Eggs = 891g)

41. Rachel had a total of 1560 red and blue marbles. After losing 256 of her blue marbles and $\frac{2}{5}$ of her red marbles, she had an equal number of red and blue marbles left. How many blue marbles had she at first? (4m)

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42. 3 watches cost as much as 7 calculators. If 3 watches and 3 calculators cost $180, find the cost of 1 watch. (4m)

43. Miss Li wanted 4 fountains at the four corners of her garden. She had to remove the grass at the four corners in order to build the fountains.

a) What was the total area of grass removed? (2m)
b) What area of the garden was now covered with grass? (3m)

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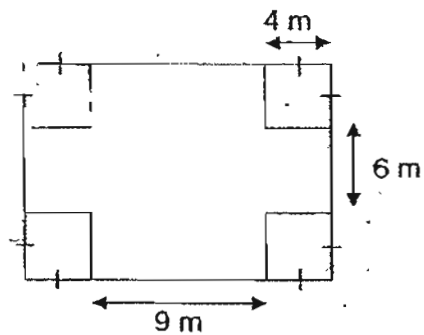
44. A packet of sugar cost $3 while a packet of flour cost $2 more than a packet of sugar. A coffeeshop owner paid $3313 for some packets of flour and sugar. He bought 67 more packets of sugar than flour.
How many packets of flour did he buy? (5 m)

- End of Paper -

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Setters: Haslinda Adaham
Irene Bong
Amanda Wong

ANSWER SHEET

1. 2
2. 4
3. 3
4. 3
5. 1
6. 3
7. 3
8. 4
9. 4
10. 3
11. 3
12. 4
13. 3
14. 2
15. 4
16. 11/14
17. 3 cm
18. point D
19. 7 coins
20. 4
21. 325
22. 22
23. 84
24. 10378
25. 10
26. 41 biscuits
27. 8 cm
28. 55 cm2
29.

30) North-west
31) 8613
32) 7
33) 17 squares
34) 11/14
35) 12 fruits
36)

R → 3600 ÷ 9 = 400
C → 400 x 8 = 3200
The cost of a computer is $3200

37) $4_{2/3} - 2_{3/12} = 4_{8/12} - 2_{3/12} = 2_{5/12}$
$2_{5/12} - 1_{8/6} = 2_{5/12} - 1_{10/12} = 1_{17/12} - 1_{10/12} = 7/12$
7/12 L of orange juice left

38) There are 25 cars in the carpark

39) 4 x 4 = 16
40 - 16 = 24 cm2
24 ÷ 4 = 6
6 - 4 = 2
4 + 4 + 2 + 4 + 6 + 8 = 28 cm

40) 63-54=9

1kg8g=1008g

Weight of 9 eggs→1008-891=117

117÷9=13

13x54=702

891-702=189

The mass of an empty basket is 189g.

41) 8units→560+256=1304

3+3+2=8

1unit→1304÷8=163

163x3=489

489+256=745

She have 745 blue marbles at first.

42) 108÷10=18

18x3=54

180-54=126

126÷3=42

Each watch cost $42.

43) a)4x4=16

16x4=64

The total area of the grass removed is 64cm2

b) 9+4+4=17

6+4+4=14

17x14=238

238-64=174

The area of the grass now covered with grass is
174m2

44) f→3+2=5

67x3=201

3313-201=3112

5+3=8

3112÷8=389

He bought 389 packets of flour.