



RAFFLES GIRLS' PRIMARY SCHOOL

SEMESTRAL ASSESSMENT 1
2012

Your Score Out of 100 marks	95	
	Class	Level
Highest score		
Average score		
Parent's Signature		

Name : _____ () Class: P4 _____

8th MAY 2012 MATHEMATICS Att: 1 h 45 min

SECTION A (25 marks)

Question 1 to 5 carry 1 mark each. Question 6 to 15 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 your answer (1, 2, 3 or 4) on the OAS provided.

1. Which of the following is sixty-four thousand and six in figures?

- (1) 646
- (2) 6 406
- (3) 64 006
- (4) 64 060

()

2. There are 30 762 spectators at a football match.
Round off this number to the nearest hundreds.

- (1) 30 000
- (2) 30 700
- (3) 30 800
- (4) 31 000

()

3. What is 762 multiply by 8?

- (1) 754
- (2) 770
- (3) 6 086
- (4) 6 096

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4. Mary arranged 65 rows of chairs for her party. In each row, there were 12 chairs. How many chairs were there in total?

- (1) 130
- (2) 650
- (3) 770
- (4) 780

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5. Which of the following is the same as 8090 cm?

- (1) 8 m 9 cm
- (2) 8 m 90 cm
- (3) 80 m 9 cm
- (4) 80 m 90 cm

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6. The perimeter of a rectangle is 78 cm. The breadth of the rectangle is 12 cm, what is its length?

- (1) 27 cm
- (2) 54 cm
- (3) 66 cm
- (4) 90 cm

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7. The table below shows the mass of different items.

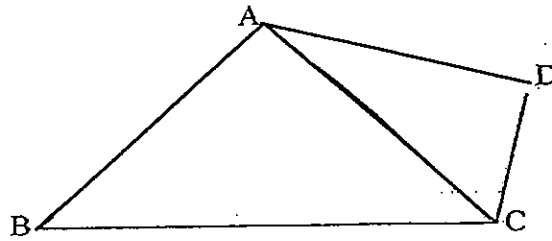
Items	Mass per bag
Flour	1000 g
Sugar	1 kg 50 g
Rice	2 kg 500 g

Mr. Ho bought 1 bag of flour, 1 bag of sugar and 1 bag of rice. What was the total mass of the items he had bought?

- (1) 2 kg 50 g
- (2) 3 kg 550 g
- (3) 4 kg 50 g
- (4) 4 kg 550 g

()

8. The diagram below shows a four-sided figure.



Which line is perpendicular to line AD?

- (1) Line AD
- (2) Line BC
- (3) Line AC
- (4) Line DC

()

9. How many sixths are there in $4\frac{5}{6}$?

- (1) 15
- (2) 24
- (3) 29
- (4) 45

()

10. Find the value of $10\frac{3}{4} - 1\frac{7}{8}$.

- (1) $8\frac{1}{4}$
- (2) $8\frac{1}{2}$
- (3) $8\frac{7}{8}$
- (4) $9\frac{7}{8}$

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11. Cindy had some stickers at first.

She gave 39 stickers to Johnson and bought another 78 stickers.
If she had 97 stickers after this, how many stickers did she have at first?

- (1) 20
- (2) 58
- (3) 136
- (4) 214

()

12. I am a number between 20 and 50.

I am a multiple of 7 and a factor of 98.
What number am I?

- (1) 21
- (2) 28
- (3) 42
- (4) 49

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13. What are the first two common multiples of 5 and 9?

- (1) 10 and 18
- (2) 15 and 27
- (3) 25 and 36
- (4) 45 and 90

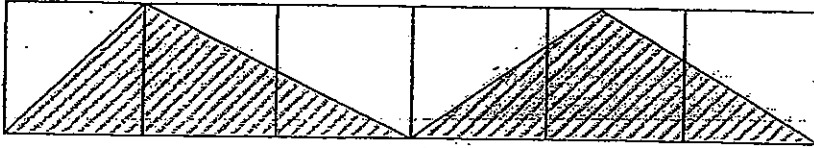
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14. At the funfair, each ticket cost \$3. For every 3 tickets purchased, the 4th ticket would be given free. Leslie paid \$54 for some tickets. How many free tickets did he receive?

- (1) 6
- (2) 9
- (3) 18
- (4) 24

()

15. What fraction of the figure below is shaded? Give your answer in its simplest form.



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

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

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

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

(...)

SECTION B (40 marks)

Question 16 to 35 carry 2 marks each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated. All diagrams are not drawn to scale. Marks will be awarded for relevant working.

16. Write seventy thousand, six hundred and eighty-five in figures.

Ans: _____

17. Find the value of 503×26 .

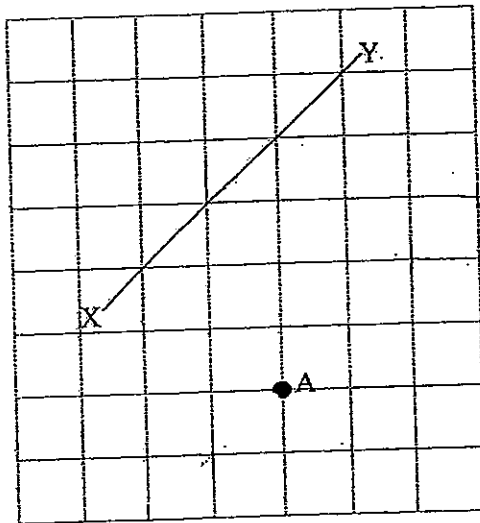
Ans: _____

18. The area of the figure below is 72 cm^2 .
The breadth is 8 cm.
What is its length?

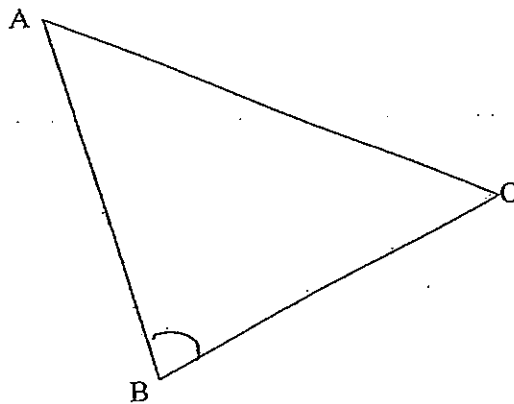


Ans: _____ cm

19. Construct a line within the grid which is parallel to line XY passing through point A.

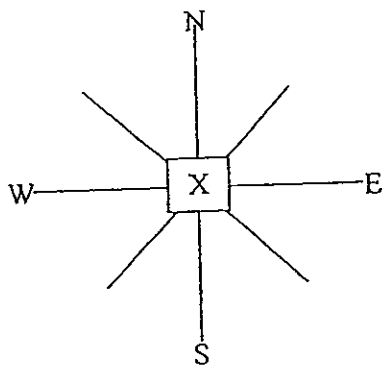


20. Measure and write the size of $\angle ABC$.



Ans: _____^o

21. Ali was standing in the box marked 'X' facing East. He turned 270° clockwise. Which direction is he facing now?



Ans: _____

22. Arrange the following in descending order.

$$2\frac{3}{5}, 1\frac{3}{4}, 2\frac{5}{6}, 1\frac{4}{5}$$

Ans: _____

23. Mdm Rosie baked 175 cupcakes.
She sold $\frac{5}{7}$ of the cupcakes and gave the rest away.
How many cupcakes did she give away?

Ans: _____

24. Find the difference between 48229 and 7588. Round off the answer to the nearest thousands.

Ans: _____

25. How many 20-cent coins are there in \$4.80?

Ans: _____

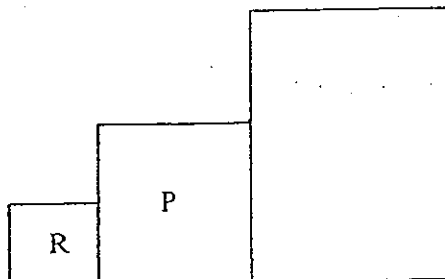
26. Mr. Cheng has some sweets. If he puts the sweets in bags of 6 or 8, there will be no sweets left.

If he puts the sweets into bags of 10, there are 8 sweets left.

What is the least number of sweets Mr. Cheng has?

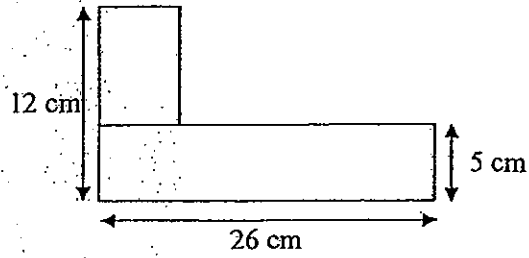
Ans: _____

27. The area of Square P is 4 times the area of Square R. The area of Rectangle Q is twice the area of Square P. The length of Square R is 1 cm. Find the length of Rectangle Q.



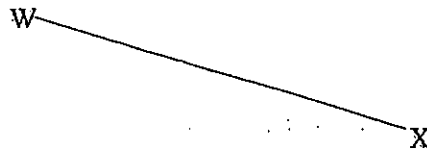
Ans: _____ cm

28. The figure below is made up of 2 rectangles.
What is the perimeter of the figure?



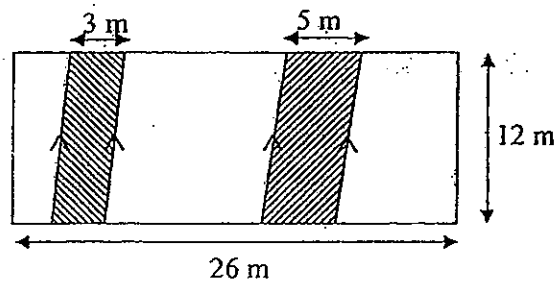
Ans: _____ cm

29. Draw a line perpendicular to WX passing through point F.



F •

30. The figure below is not drawn to scale.
Find the area of the shaded part of the figure.



Ans: _____ m²

31. Express $7\frac{2}{9}$ as an improper fraction.

Ans: _____

32. Find the value of $4 - \frac{3}{8} - 1\frac{1}{2}$.

Leave your answer as a mixed number in the simplest form.

Ans: _____

33. Study the pattern below and fill in the blank.

49 , 64 , 81 , 100 , 121 , _____ , 169 , 196 , 225 ,

Ans: _____

34. There were 40 pupils in primary 4A.
 $\frac{2}{5}$ of the pupils stayed in Tampines.
 $\frac{1}{4}$ of the pupils who stayed in Tampines were boys. How many girls in primary 4A stayed in Tampines?

Ans: _____

35. Fahana used $\frac{2}{5}$ kg of sugar on Monday and 3 times as much sugar on Tuesday. What was the total mass of sugar she used on these two days? Express your answer as a mixed number in its simplest form.

Ans: _____ kg

SECTION C (35 marks)

For question 36 to 44, show your working clearly in the space provided below each question and write your answer with suitable units in the spaces provided. All diagrams are not drawn to scale. Answers in fractions must be expressed in the simplest form. Marks will be awarded for relevant working. The number of marks available is shown in brackets [] at the end of each question or part-question.

36. There were 40 pupils in Team A. Each pupil received 3 erasers. The same number of erasers was given out to the pupils in Team B and each pupil got 2 erasers. How many pupils were there altogether?

Ans: _____ [3]

37. Melissa had some beads. She used $\frac{1}{4}$ of the beads for an art project and gave $\frac{5}{12}$ of the beads to her friends. She had 56 beads left in the end. How many beads did Melissa have at first?

Ans: _____ [3]

38. Amy spent \$2109 during the Great Singapore Sale. She bought a laptop, a camera and a watch. The laptop cost \$899 and the camera cost \$295 less than the laptop. How much did she spend on the watch?

Ans: _____ [3]

39. a) Mrs. Tan does her laundry once every 2 days. Mrs. Lee does her laundry once every 3 days while Mrs. Ong does her laundry once every 8 days. If all of them do their laundry on 1st of August, on which day would they do their laundry together again in the same month?

Ans: _____ [2]

- b) In the South-Zone table tennis competition, there were 6 teams altogether. All the teams must play against each other only once. How many matches were played altogether?

Answer _____ [2]

40. The total mass of 4 packets of rice and 3 packets of sugar is 2210g. If a packet of sugar is 80g lighter than a packet of rice, what is the mass of 5 such packets of sugar?

Ans: _____ [4]

41. Mary went shopping with some money.

In shop A, Mary spent $\frac{2}{3}$ of her money on a blouse. At the bookstore, Mary spent $\frac{1}{4}$ of her remaining money on a book. Finally, she spent all her money to buy 2 CDs at \$15 each. How much did she have at first?

Ans: _____ [4]

42. Siti had 6 times as many apples as David at first. After Siti had given 450 apples to David, they had an equal number of apples.
- a) Find the number of apples David had at first.
 - b) David gave away some apples and had half the number of apples Siti had. How many apples did David give away?

Ans: a) _____ [2]

b) _____ [2]

43. Mr. Tan's salary is \$3544, Mrs. Tan's salary is $\frac{3}{4}$ of Mr. Tan's salary.

monthly

a) What is Mrs. Tan's salary?

monthly

b) Mr. and Mrs. Tan spend $\frac{2}{7}$ of their salary on transportation and twice as much on groceries. They spend \$200 on clothes every month. They save the rest on their money.

How much do they save in a year?

Ans: a) _____ [1]

b) _____ [4]

44. Siti, Ramesh and Peter had 528 stickers at first. Siti bought another 32 stickers, Ramesh gave $\frac{1}{5}$ of his stickers away and Peter was given as many stickers as he had at first by his father. In the end, all three of them had equal number of stickers. Find the number of stickers Siti had at first.

Ans: _____ [5]

I have:

- checked through my work carefully at least 2 times after I completed the paper.*
[Independent Learner, Responsibility]

-End of Paper-

Setters: Mrs Kimberly Bell, Mr Johnson Ong

ANSWER SHEET

EXAM PAPER 2012

SCHOOL : RAFFLES GIRLS'
SUBJECT : PRIMARY 4 MATHEMATICS

TERM : SA1

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

16)70685

17)13078

18)9cm

19)

20)79°

21)North

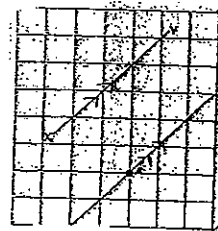
22) $2\frac{5}{6}$, $2\frac{3}{5}$, $1\frac{4}{5}$, $1\frac{3}{4}$

23)50 cupcakes

24)41000

25)24 20-cent coins

26)48



27)Area of R = $1 \times 1 = 1\text{cm}^2$

Area of P = $4\text{cm}^2 = 2 \times 2\text{cm}$

Area Q = $2 \times 4 = 8\text{cm}^2$

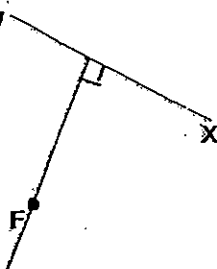
Ans: 4cm

28) $26 \times 2 = 52$

$12 \times 2 = 24$

$52 + 24 = 76\text{cm}$

29)W



$$30) 3 \times 12 = 36$$

$$5 \times 12 = 60$$

$$36 + 60 = 96m^2$$

$$31) 7 \times 9 = 63$$

$$63 + 2 = 65/9$$

$$32) 38/8 - 3/8 = 35/8 - 14/8 = 21/8$$

$$33) 144$$

$$34) 40 \div 5 = 8$$

$$8 + 8 = 16$$

$$16 \div 4 = 4 \text{ (boys)}$$

$$16 - 4 = 12 \text{ (girls)}$$

$$35) 2/5 \times 3 = 6/5$$

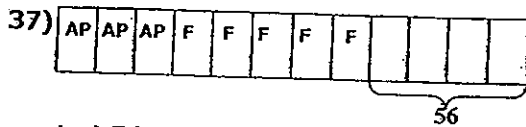
$$6/5 + 2/5 = 8/5 = 1\frac{3}{5}$$

$$36) 40 \times 3 = 120$$

$$120 \div 2 = 60$$

$$40 + 60 = 100$$

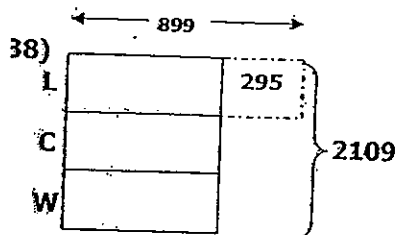
There were 100 pupils altogether.



$$1u \rightarrow 56 \div 4 = 14$$

$$12u \rightarrow 14 \times 12 = 168$$

Melissa had 168 beads at first



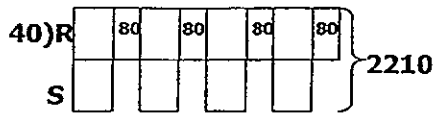
$$899 - 295 = 604$$

$$899 + 604 = 1503$$

$$2109 - 1503 = 606$$

She spent \$606 on the watch.

- 39)a) 25th August
b) 15 matches



$$80 \times 4 = 320$$

$$2210 - 320 = 1890$$

$$1890 \div 7 = 270$$

$$270 \times 5 = 1350$$

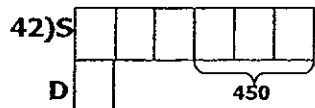
The mass of 5 packet of sugar is 1kg 350g.

41) $15 \times 2 = 30$

$$(30 \div 3) \times 4 = 40$$

$$40 \times 3 = 120$$

She had \$120 at first.



a) $5u \rightarrow 450$

$$1u \rightarrow 450 \div 4 = 90$$

$$\text{David} = 90 \times 2 = 180 \text{ apples}$$

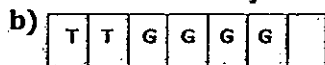
b) $Siti = 8u \rightarrow 180 + 450 = 630$

$$630 \div 2 = 315 \text{ apples}$$

43)a) $3544 \div 4 = 886$

$$886 \times 3 = 2658$$

Mrs Tan Monthly salary is \$2658



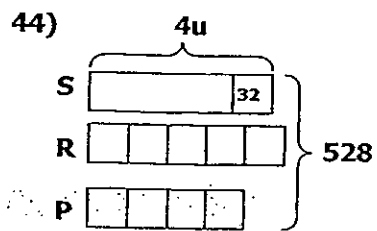
$$2658 + 3544 = 6202$$

$$6/7 \times 6202/1 = 5316$$

$$6202 - 5316 = 886$$

$$886 \times 12 = \$10632$$

They save \$8232 in a year.



$$528 + 32 = 560$$

$$10u \rightarrow 560$$

$$1u \rightarrow 56$$

$$4u \rightarrow 224$$

$$224 - 32 = 192$$

Siti had 192 stiker at first.