RAFFLES GIRLS' PRIMARY SCHOOL

SEMESTRAL ASSESSMENT 1
2015

Your Score Out of **100** marks	
Parent's Signature	

Name: _____ ( )

Banded Math Class: P4__

11th MAY 2015 MATHEMATICS Duration: 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. What is the missing number in the box?

   89 524 = 80 000 + ☐ + 500 + 20 +4

   (1) 9

   (2) 90

   (3) 900

   (4) 9000

2. Round off 45 987 to the nearest hundred.

   (1) 45 900

   (2) 45 980

   (3) 46 000

   (4) 46 900

3. Multiply 4354 by 6

(1) 24 124

(2) 25 824

(3) 26 124

(4) 27 124

4. There are 40 fruits in one box.
If there are 357 boxes, how many fruits are there altogether?

(1) 1 408

(2) 1 428

(3) 14 080

(4) 14 280

5. Convert 8 m 3 cm to centimetres.

(1) 803 cm

(2) 830 cm

(3) 8003 cm

(4) 8030 cm

6. The area of the rectangle shown below is 216 cm^2. Find its length.

(1) 24 cm

(2) 48 cm

(3) 108 cm

(4) 1944 cm

7. The mass of a carton of fruits is 30 015g. What is its mass in kilogrammes and grams?

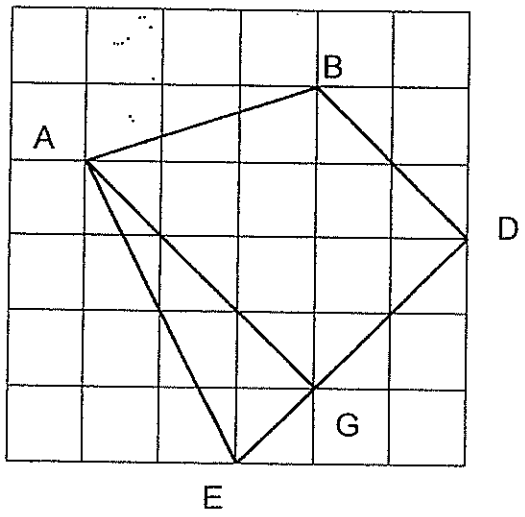
(1) 3 kg 15 g

(2) 30 kg 15g

(3) 30 kg 150 g

(4) 300 kg 15 g

8. Identify the parallel lines in the figure shown below



(1) AB // ED

(2) AG // BD

(3) AG // ED

(4) AE // BD

9. Express $7\frac{4}{5}$ as an improper fraction.

(1) $\frac{28}{5}$

(2) $\frac{33}{5}$

(3) $\frac{39}{5}$

(4) $\frac{74}{5}$

10. What is $\frac{5}{9} - \frac{1}{3}$?

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

(2) $\frac{4}{6}$

(3) $\frac{2}{9}$

(4) $\frac{4}{9}$

11. The sum of two numbers is 846. If one number is 50 greater than the other, what is the larger number?

(1) 388

(2) 398

(3) 438

(4) 448

12. How many common factors are there for 18 and 36?

(1) 6

(2) 5

(3) 3

(4) 4

13. What is the first common multiple of 6 and 8?

(1) 16

(2) 24

(3) 32

(4) 48

14. May collected 7294 seashells. She collected 7 times as many seashells as John. How many seashells did John collect?

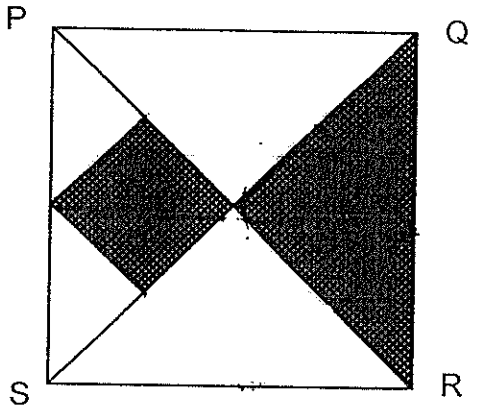
(1) 142

(2) 1042

(3) 10 042

(4) 51 058

15. Figure PQRS below is a square. It is made up of 1 small square, 2 small triangles and 3 large triangles. PR and QS are straight lines.



What fraction of the square PQRS is shaded?

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

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

(3) $\frac{3}{8}$

(4) $\frac{5}{8}$

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. Answers in fractions must be expressed in the simplest form. Marks will be awarded for relevant working.

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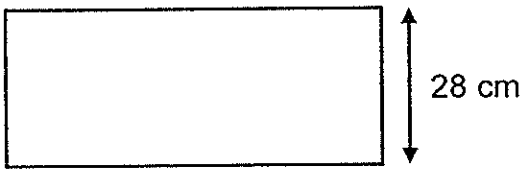
16. Write eighty-six thousand and eight as a numeral.

Ans:_____

17. Eliza wants to give each of her classmates 12 sweets.
There are 38 classmates in her class.
How many sweets does she need to buy?

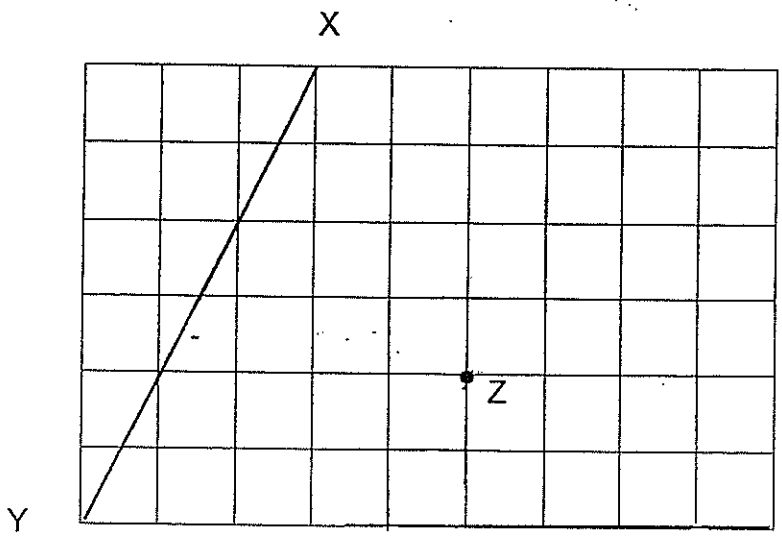
Ans:_____

18. The perimeter of a rectangle is 326 cm and its breadth is 28 cm.
Find the length of the rectangle.

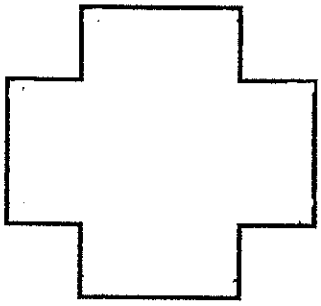


Ans:_____cm

19. Draw a line parallel to line XY passing ~~throught~~ through point Z.

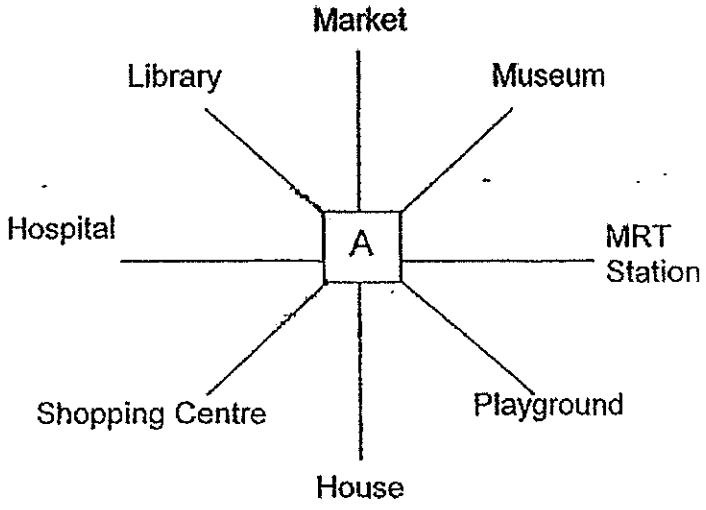


20. How many right angles are there within the figure?



Ans:_____

21. Susan is standing at point A facing her house.
Where will she be facing if she turns 135° clockwise?



Ans: _____

22. Arrange the following fractions from the greatest to the smallest.

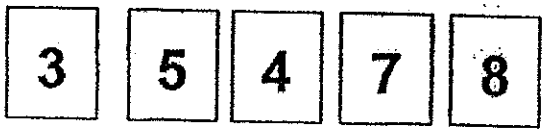
$2\frac{1}{3}$, $1\frac{1}{4}$, $1\frac{2}{5}$, $2\frac{1}{8}$

Ans: _____

23. Siti had 720 cupcakes. She sold $\frac{5}{8}$ of them.
How many cupcakes had she left?

Ans: _____

24. Devi used all the digits below to form a 5-digit number. What is the greatest even number she can form with all the digits? Use each digit only once.



Ans: _____

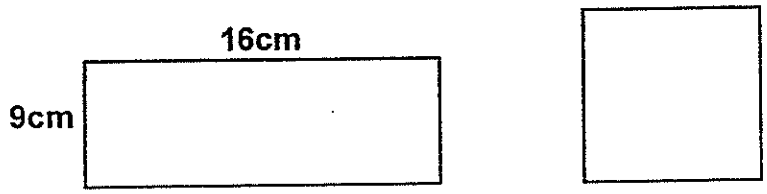
25. Ali has $5.60. He wants to exchange his money for an equal number of 20-cent coins and 50-cent coins. How many 50-cent coins does he have after the exchange?

Ans: _____

26. Peter sold 115 boxes of markers. There were 12 markers in each box. Each marker was sold at $2. How much money did Peter receive?

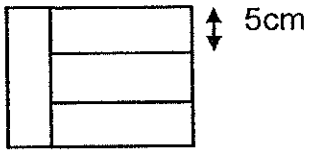
Ans: $_____

27. The rectangle and the square below have the same area. Find the length of the square.



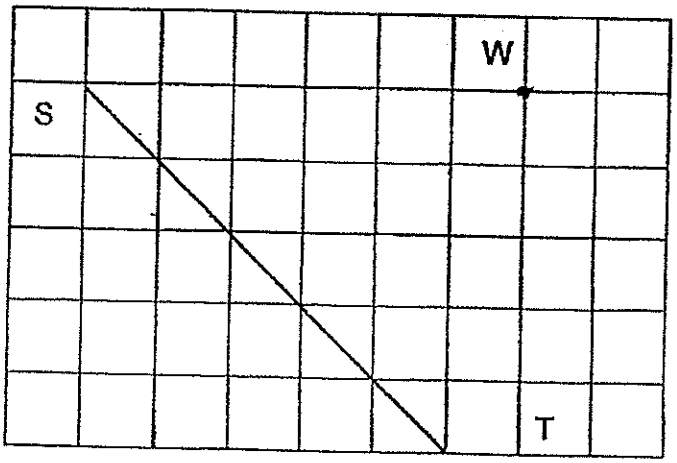
Ans: _____cm

28. The figure below is made up of 4 identical rectangular strips.
Find the perimeter of the figure.



Ans: _____cm

29. Draw a perpendicular line to line ST passing through point W.



30. Complete the pattern shown below.

.....

Ans: _____

31. $\frac{30}{8} = 3\frac{\square}{4}$

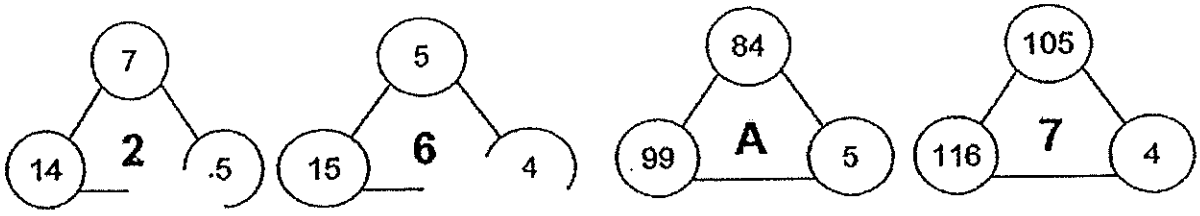
What is the missing number in the box?

Ans: _____

32. Xiao Hui had $\frac{7}{8}$ kg of fruits. She gave $\frac{3}{4}$ kg of the fruits to her mother. How many kilograms of fruits did she have left? Leave your answer as a fraction in its simplest form.

Ans: _____kg

33. Study the figures given below.



What is the number represented by A?

Ans: _____

34. Mr Baker had some flour. He used $\frac{5}{8}$ kg of flour to bake pies and $\frac{1}{2}$ kg of flour to bake a cake. How much flour did he use? Give your answer in the simplest form.

Ans: _____kg

35. The total age of Ali and Ben is 78 years this year. In how many years' time will their total age be 90 years?

Ans: _____

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.

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36. Jane has 432 stickers and Tim has 2 times as many stickers as Jane.
Shu Qi has 148 fewer stickers than Tim.
How many stickers does Shu Qi have?

Ans: _____[3]

37. Mrs Tan had 126 m of cloth. She used $\frac{5}{7}$ of the cloth to make blouses.

a) What was the length of cloth she use?

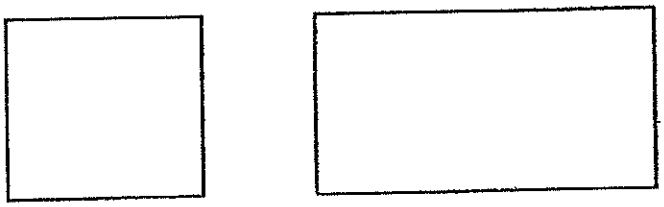
b) If she used 6 m of cloth to make one blouse, how many blouses did she make?

Ans: a)_____[2]
Ans: b)_____[2]

38. Jacob and Sarah had $1500. After Jacob gave Sarah $128, he still had $86 more than Sarah. How much money did Sarah have at first?

Ans: _____ [3]

39. The diagram below shows square X and rectangle Y.
The length of rectangle Y is 9 cm longer than its breadth.
The breadth of rectangle Y is the same as the length of square X.
The perimeter of square X is 56 cm. Find the area of rectangle Y.



Square X Rectangle Y

Ans: _____ [4]

40. There are some cookies in the jar.

On Monday, Alex ate $\frac{1}{4}$ of the cookies. He later bought 24 cookies and added into the jar. On Tuesday, Alex ate 36 cookies. He was hungry and ate another 30 cookies. There were no cookies left.
How many cookies were there in the jar at first?

Ans: _____ [4]

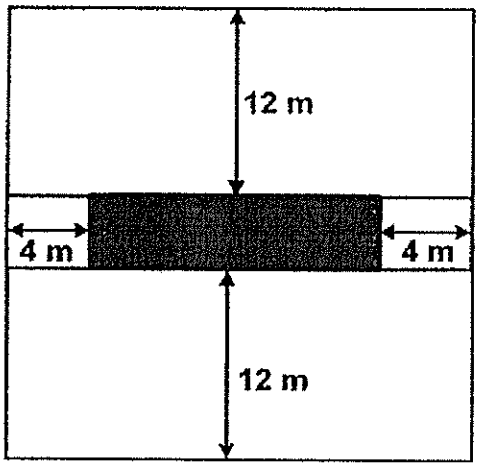
41. Marie had the same number of red, green and blue beads at first. After giving some red and green beads and 108 blue beads away, Marie had 250 beads left. There were 2 times as many red beads as green beads left. The number of blue beads left was 50 fewer than the number of red beads left. How many blue beads did she have at first?

Ans: _____ [4]

42. Mr Lim has some pencils. If he ties them in bundles of 6, he will have 5 extra pencils. If he ties them in bundles of 5, he will be short of 3 pencils. What is the smallest possible number of pencils Mr Lim has?

Ans: _____[3]

43. The figure below shows a square plot of land that Mr Tan has.
The perimeter of the square plot of land is 120 m.
He wants to fence up the rectangular shaded area to grow vegetables.
The price of fencing 1 m of land is $28.
How much does Mr ~~Lim~~ Tan need to pay for fencing the land?



Ans: _____[5]

44. Johnson had some apples and oranges. The number of apples and oranges left were the same after Johnson sold $\frac{2}{3}$ of the apples and $\frac{4}{7}$ of the oranges. If he had 324 apples at first,

a) How many apples were left?

b) How many oranges did Johnson have at first?

Ans:a) _____[2]

Ans:b) _____[3]

-End of Paper-
Please check your work carefully ☺

Setters: Mr. Johnson Ong
Mrs. K. Bell

Ans

SCHOOL : RAFFLES GIRLS' PRIMARY SCHOOL
LEVEL : PRIMARY 4
SUBJECT : MATH
TERM : SA1

CONTACT : CALL MR GAN @ 9299 8971, 8606 5443, 9247 5053

SECTION A

Q 1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
4	3	3	4	1	1	2	2	3	3

Q 11	Q12	Q13	Q14	Q15	Q16	Q17	Q18	Q19	Q20
4	1	2	2	3					

SECTION B

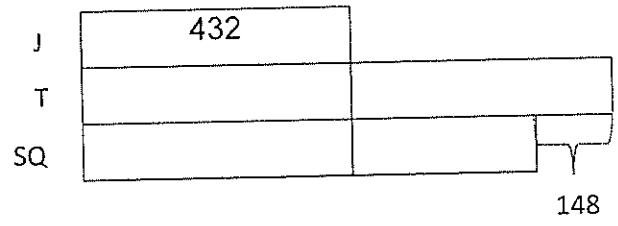
Q 16	Q17	Q18	Q19	Q20
86008	456	8	-	8

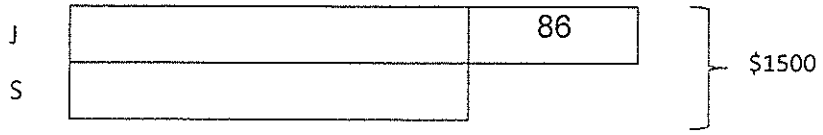
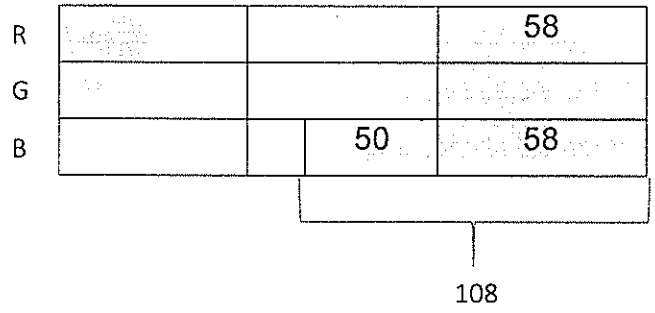
Q 21	Q22	Q23	Q24	Q25
Library	$2\frac{1}{3}, 2\frac{1}{8}, 1\frac{2}{5}, 1\frac{1}{4}$	270	87534	8

Q 26	Q27	Q28	Q29	Q30
2760	12	70	▽	3

Q31)	3
Q32)	$\frac{7}{8} - \frac{3}{4} = \frac{1}{8}$
Q33)	14 – 5 – 7 = 2 15 – 4 – 5 = 6 99 – 5 – 84 = <u>10</u>
Q34)	$\frac{5}{8} + \frac{1}{5} = 1\frac{1}{8}$
Q35)	90 – 70 = 12 12 ÷ 2 = <u>6</u>

SECTION C

Q36)	 T → 436 x 2 = 864 SQ → 864 – 148 = <u>716</u>
Q37)	a) $\frac{5}{7} X \frac{126}{1} = 90$ b) 90 ÷ 6 = 15

Q38)	 1500 – 86 = 1414 1414 ÷ 2 = 707 707 – 128 = 579 Ans : $\underline{\$579}$
Q39)	L of X → 56 ÷ 4 = 14 L of Y → 14 + 9 = 23 Area of Y → 23 cm x 14 cm = $\underline{322\ cm^2}$
Q40)	36 + 30 = 66 66 – 24 = 42 42 ÷ 3 = 14 14 + 42 = $\underline{56}$
Q41)	 Left → 250 + 50 = 300 5u → 300 1u → 300 ÷ 5 = 60 108 – 50 = 58 R → 60 x 2 + 58 = $\underline{178}$

Q42)

6 :	6	12	18	24	30	36	42
+5 :	11	17	23	29	35	41	47

5 :	5	10	15	20	25	30	35
-3	2	7	12	17	22	27	32

Ans : 17

Q43)

L of rect → 120 ÷ 4 = 30

12 x 2 = 24

B of shaded rect → 30 – 24 = 6

4 x 2 = 8

L of shaded rect → 30 – 8 = 22

Perimeter of shaded rect → 22 + 22 + 6 + 6 = 56

Total cost → 56 x $28 = $1568

Q44)

Apples left → 1/3 x 324 = 108

Oranges left → 1 – 4/7 = 3/7

3u → 108

1u → 108 ÷ 3 = 36

7u → 36 x 7 = 252

Q19