RAFFLES GIRLS' PRIMARY SCHOOL

SEMESTRAL ASSESSMENT 1
2009

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

Name : _____( ) Class: P4___

12 MAY 2009 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. What is the missing number in the box?

74 518 = 70 000 + ☐ + 500 + 10 + 8

(1) 4
(2) 40
(3) 400
(4) 4000

( )

2. Round off 59 299 to the nearest hundred.

(1) 59 000
(2) 59 200
(3) 59 300
(4) 60 000

( )

3. Peter bought 365 sets of costume for his Drama club. Each set of costume cost $8. How much did Peter spend?

(1) $2880
(2) $2920
(3) $3080
(4) $3658

( )

4. When a number is divided by 20, the answer is 640. What is this number?

(1) 32
(2) 1280
(3) 6420
(4) 12800

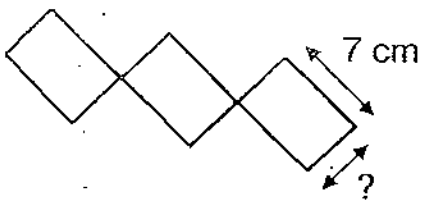
( )

5. 3050 cm is the same as _____ .

(1) 3 m 5 cm
(2) 3 m 50 cm
(3) 30 m 5 cm
(4) 30 m 50 cm

( )

6. The figure below is made up of 3 identical rectangles. The total area of the figure is 105 cm^2. What is the breadth of each rectangle if its length is 7 cm?



(1) 5 cm
(2) 8 cm
(3) 10 cm
(4) 21 cm

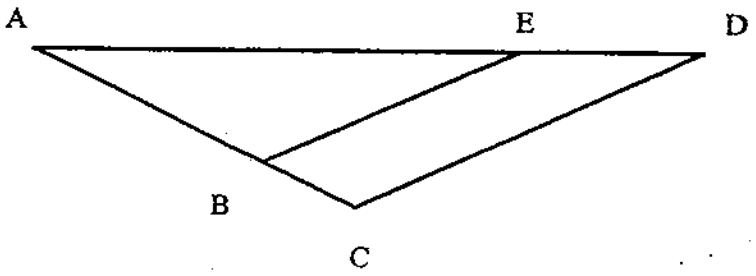
( )

7. 7 kg 80g is the same as _____ .

(1) 708 g
(2) 780 g
(3) 7080 g
(4) 7800 g

( )

8. Identify the set of parallel lines in the figure below.



(1) AC // CD
(2) CD // DE
(3) BE // CD
(4) DA // AC

( )

9. Express $6\frac{4}{5}$ as an improper fraction.

(1) $\frac{24}{5}$

(2) $\frac{34}{5}$

(3) $\frac{46}{5}$

(4) $\frac{64}{5}$

( )

10. What is the missing number in the box?

$$\frac{3}{7} + \frac{2}{7} + \frac{1}{7} = 2 - \frac{\square}{7}$$

(1) 1
(2) 6
(3) 7
(4) 8 ( )

11. 200 hundreds subtracted from the sum of 62 thousands and 15 tens?

(1) 10150
(2) 40150
(3) 42150
(4) 62150 ( )

12. Find the sum of the first 3 common factors of 40 and 72.
The answer is _____.
(1) 7
(2) 8
(3) 3
(4) 14 ( )

13. Ahmad and Samy started running round a track in the same direction at the same time. If Ahmad took 4 minutes to complete 1 round and Samy took 6 minutes to complete 1 round, how long would it take for them to meet each other again at the starting point?

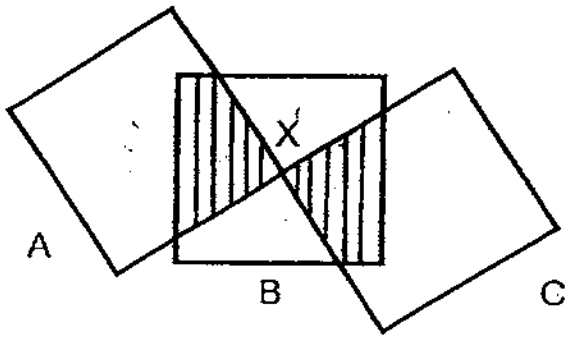
(1) 6
(2) 12
(3) 24
(4) 4 ( )

14. Jenny has 6 packets of balloons. Each packet contains 48 balloons. She repacks all her balloons equally into 8 packets. How many balloons are there in each of the 8 packets?

(1) 6
(2) 8
(3) 36
(4) 288

( )

15. Three identical squares (A, B and C) overlap each other as shown in the figure below. Point X is the centre of square B. What fraction of the figure is shaded?



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

( )

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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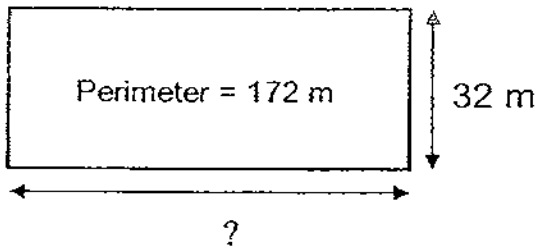
16. How many 20-cent coins can be exchanged with 25 dollars?

Ans: _____

17. Juliet earns $760 every month. How much does she earn altogether in 2 years?

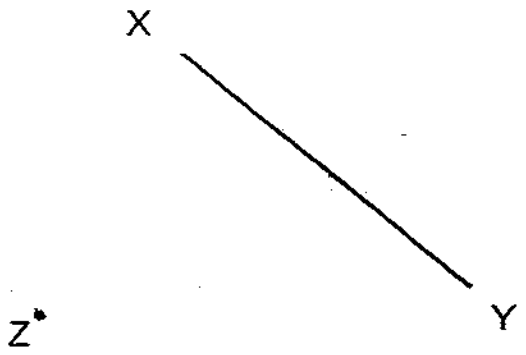
Ans: $_____

18. Find the unknown length of the rectangle.

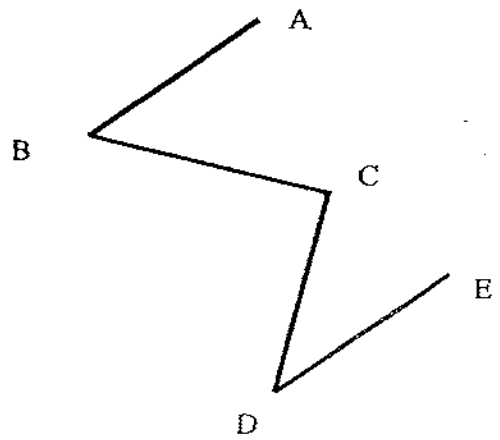


Ans: _____m

19. Draw a line parallel to Line XY that passes through point Z.

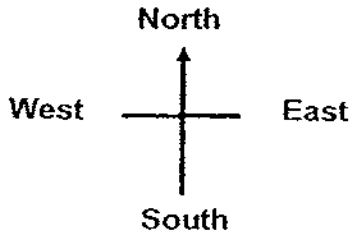


20. Name the right angle in the figure below.



Ans: ∠ _____

21. John is facing North. Which direction will he face if he makes a 45° turn in a clockwise direction followed by a 3-quarter turn in an anti-clockwise direction?



Ans: _____

22. Rearrange the following fractions in an ascending order.

$$1\frac{1}{3} \quad , \quad 1\frac{1}{7} \quad , \quad 1\frac{1}{4} \quad , \quad 1\frac{1}{10}$$

Ans: _____

23. A fruit seller had 120 mangoes. He sold $\frac{3}{8}$ of them.
How many mangoes had he left?

Ans: _____

24. When a number is rounded off to the nearest ten, it is 240. What could be the largest possible whole number?

Ans: _____

25. Write ninety-four thousand and twenty as a numeral.

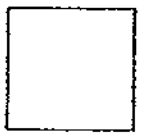
Ans: _____

26. There are 12 times as many adults as children in a concert. If there are 75 children and 386 women, how many men are there in the concert?

Ans: _____

27. Rectangle A has the same area as Square B. The length of Rectangle A is 4 times its breadth. Find the length of each side of the square.

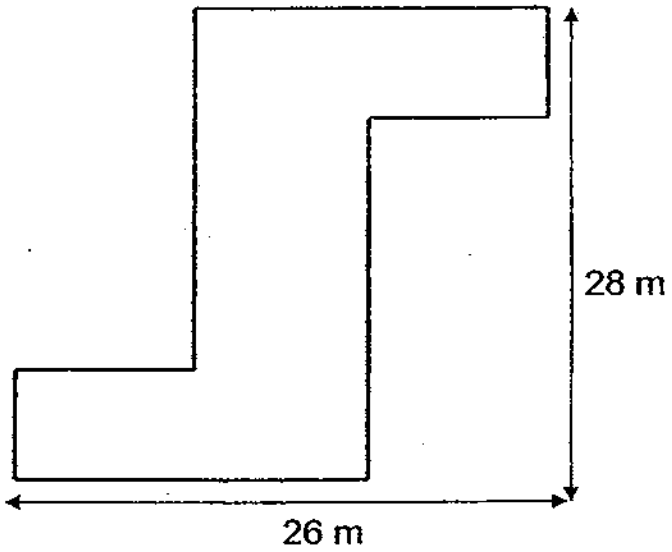
Rectangle A



Square B

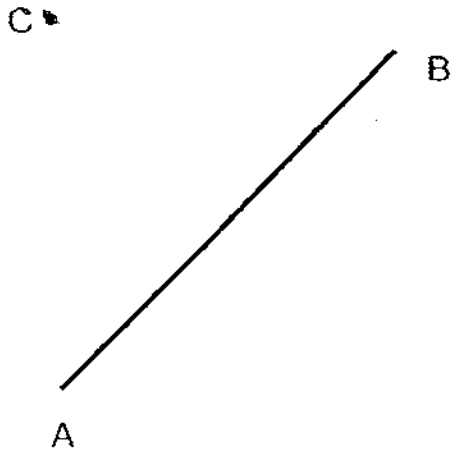
Ans: _____ cm

28. Find the perimeter of the figure.

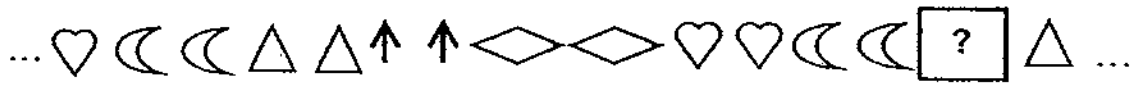


Ans: _____m

29. Draw a line perpendicular to line AB in the figure below that passes through point C.



30. Complete the following pattern:



Ans: _____

31. $5\frac{2}{5} = \frac{\boxed{?}}{10}$

Ans: _____

32. Express $3 + \frac{17}{20} + \frac{30}{20}$ as a mixed number.

Ans: _____

33. Complete the number pattern below.

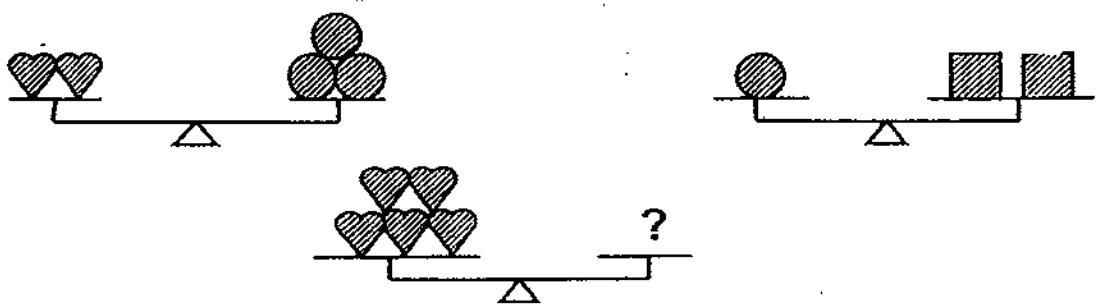
1, 6, 3, 9, 5, 12, 7, _____ , 9, 18, 11, 21, 13...

Ans: _____

34. Sarah had \$24. She spent $\frac{1}{4}$ of her pocket money on food and $\frac{1}{2}$ of her pocket money on a storybook. What fraction of her pocket money was left?

Ans: _____

35. How many squares are needed to balance the scale?



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. Devi, Minah and Susan have 1005 marbles altogether.
Minah has twice as many marbles as Devi.
Susan has 35 less marbles than Devi.
How many marbles does Susan have?

Ans: _____[3]

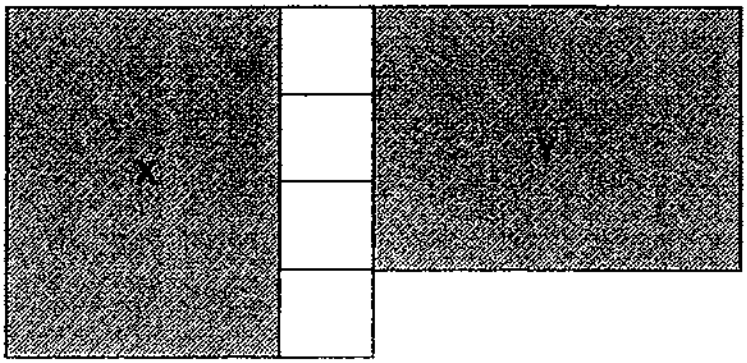
37. Sandra had some eggs. She used $\frac{1}{8}$ of them on Friday and 5 more eggs on Saturday than on Friday. On Sunday, she used the remaining 37 eggs.
How many eggs did she have at first?

Ans: _____[3]

38. Ahmad had a sum of money. He saved half of it and gave $400 to his mother. He then spent $200 and realized that he had $50 left. How much did he have at first?

Ans: _____ [3]

39. The figure below is made up of 4 identical squares and 2 identical rectangles (X and Y). Given that the total unshaded area is 324 cm^2, find the area of rectangle X.



Ans: _____ [4]

40. John and Mary have a total weight of 130 kg. If Mary puts on 10 kg of weight and John loses 10 kg of weight, both of them will have the same weight.
Find the weight of each of them at first.

Ans: John:_____[2]

Mary:_____[2]

41. Lynn had a piece of cloth $20\frac{3}{4}$ m long. She used $18\frac{5}{8}$ m to make a blouse. Lynn then cut the remaining piece of the cloth into equal pieces of $\frac{1}{8}$ m long each.

a) How long is the remaining piece of cloth?

b) How many such pieces of $\frac{1}{8}$ m long cloth did she have?

Ans: (a) _____[2]

(b)_____[2]

42. Mrs Raju bought a bag for $125. She paid the cashier in $10 and $5 notes. If there were 17 notes altogether, how many $10 notes were there?

Ans: _____ [4]

43. Ravi has between 20 and 40 oranges. He can pack the oranges equally into bags of 4 or 6 with no leftover. If he packs the oranges into bags of 9, he will have 6 oranges leftover.

a) How many oranges does Ravi have?

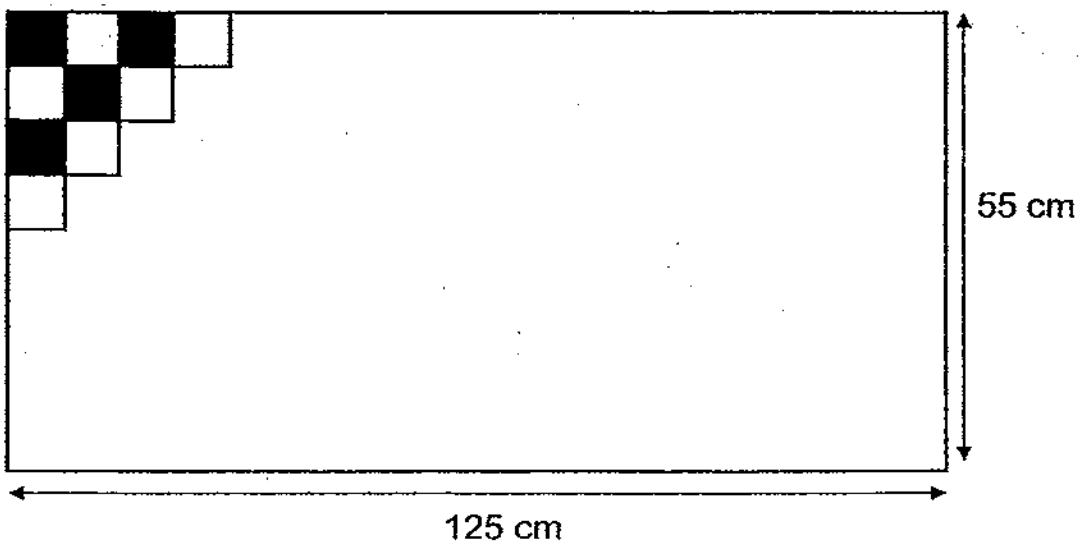
b) How many more oranges must he buy in order to be able to pack the oranges into bags of 4, 6 and 9 without any remainder?

Ans: (a)_____[2]

(b)_____[3]

44. Peiling used 5-cm black and white square papers to cover a piece of cardboard measuring 125 cm by 55 cm as shown below.

a) How many pieces of 5-cm square papers did Peiling use altogether?
b) How many pieces of 5-cm black square papers did Peiling use altogether?



Ans: (a)_____[3]

(b) _____[2]

-End of Paper-

Please check your work carefully ☺

Setters: Mdm Roziyana
Mdm Mehmutha
Mr Ho Kai Huat

ANSWER SHEET

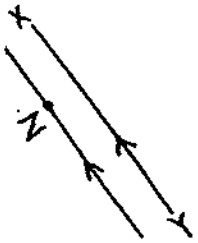
EXAM PAPER 2009

SCHOOL : RAFFLES GIRLS' PRIMARY
SUBJECT : PRIMARY 4 MATHEMATICS

TERM : SA1

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

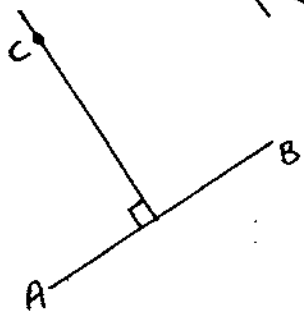
16)125 **17)$18240** **18)54m** **19)**



20)BCD **21)South-east** **22)$1\frac{1}{10}$, $1\frac{1}{7}$, $1\frac{1}{4}$, $1\frac{1}{3}$**

23)74 mangoes **24)244** **25)94020**

26)514 men **27)8cm** **28)108m** **29)**



30)△ **31)54** **32)$5\frac{7}{20}$**

33)15 **34) ¼** **35)15**

36)35x3=105
1005-105=900
900÷4=225 marbles.

37)37+5=42
42÷6=7
7x8=56 eggs.

38)$400+$200+$50=$650
$650x2=$1300

39)324÷4=81
81-9x9
9x4=36
9x3=27
36x27=972cm$_2$

40)130÷2=65
65+10=75
65-10=55
John: 75kg
Mary: 55kg

41)$20\frac{6}{8} - 18\frac{5}{8} = 2\frac{1}{8}$
$2\frac{1}{8} \rightarrow 17/8$
$17/8 \times 8/1 = 17$
a)$2\frac{1}{8}$m
b)17

42)

$10	$5	number of notes	amount of money	√ / X
8x $10=$80	9x$5 =$45	17	80+45=125	

Ans: 8

43)a)24
b)12

44)a)55÷5=11
125÷5=25
11x25=275 pieces
b)275-1=274
274÷2=137
137+1=138 pieces