# RAFFLES GIRLS' PRIMARY SCHOOL

## SEMESTRAL ASSESSMENT 1
## 2014

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

Name : _____ (  ) Class: P4__

**8 MAY 2014 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.**

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1. What is the value of the digit 4 in 14 100?

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

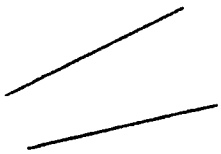
2. Round off 13 385 to the nearest tens.

   (1) 13 000
   (2) 13 380
   (3) 13 390
   (4) 13 400

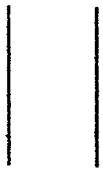
3. The mass of a container is 3 kg. What is its mass in grams?

   (1) 30 g
   (2) 300 g
   (3) 3 000 g
   (4) 30 000 g

4. Which of the following shows a pair of perpendicular lines?

(1) 

(2) 

(3) 

(4) 

5. Convert 10 m to cm.

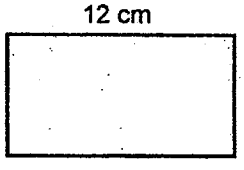
(1) 10 cm

(2) 100 cm

(3) 1 000 cm

(4) 10 000 cm

6. The perimeter of the rectangle below is 44 cm.
Given that its length is 12 cm, find its breadth.




(1) 10 cm

(2) 16 cm

(3) 20 cm

(4) 32 cm

7. There are 7 candies in each goodie bag.
How many candies are there in 707 goodie bags?

(1) 101

(2) 714

(3) 4 949

(4) 5 019

8. Multiply 450 by 2 tens. The answer is _____.

(1) 90

(2) 900

(3) 9 000

(4) 90 000

9. How many quarters are there in $2\frac{1}{4}$?

(1) 7

(2) 2

(3) 8

(4) 9

10. Find the sum of $\frac{1}{3}$ and $\frac{1}{9}$.

(1) $\frac{1}{12}$

(2) $\frac{1}{6}$

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

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

11. Maxim has 2 778 stickers while Cindy has 3 313 stickers.
How many stickers do they have altogether?

(1) 5 081

(2) 5 091

(3) 6 081

(4) 6 091

12. What is the sum of all the factors of 10?

(1) 11

(2) 17

(3) 18

(4) 4

13. What is the difference between the second multiple and the fifth multiple of 5?

(1) 5

(2) 15

(3) 3

(4) 35

14. Jenny had twice as much money as Katherine.
Katherine had twice as much money as Lina.
Given that they had $1960 altogether, how much money did Katherine have?

(1) $280

(2) $392

(3) $560

(4) $784

15. There are 84 beads.
$\frac{2}{7}$ of them are red and the rest are green.
What is the difference between the number of red and green beads?

(1) 12

(2) 24

(3) 36

(4) 60

## 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.**

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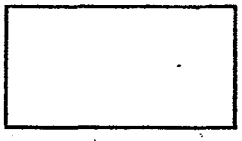
16. Dinesh wanted to exchange \$3 to all 20¢ coins.
How many 20¢ coins would he have?

Ans: _____

17. There are 125 rows of seats in a theatre. Each row consists of 18 seats.
What is the total number of seats in the theatre?

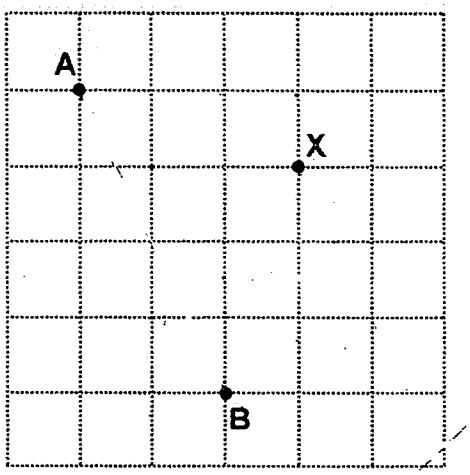
Ans: _____

18. Given that the area of the rectangle is 64 $cm^2$ and its breadth is 4 cm, find its length.

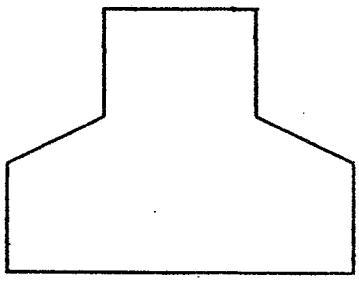



Ans: _____ cm

19. In the grid below, draw a line that is parallel to the line AB and passes through the point marked 'X'.

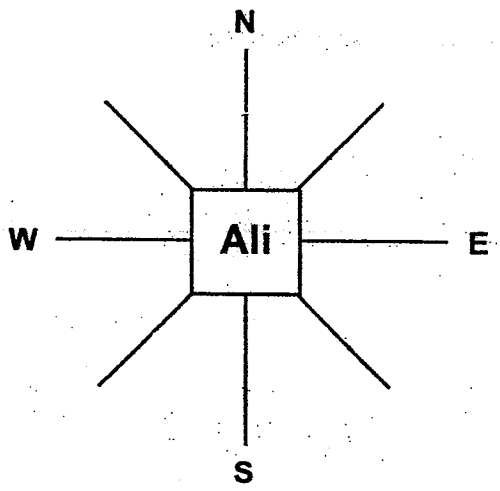



20. How many right angles are there in the figure?



Ans: _____

21. After Ali made a 270° turn in a clockwise direction, he was facing south-west. Which direction was he facing at first?




Ans: _____

22. Arrange the mixed numbers in **ascending** order.

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

Ans: _____, _____, _____, _____

23. What is $\frac{1}{4}$ of 32?

Ans: _____

24. Round off 24 591 to the nearest hundreds.

Ans: _____

25. In 65 230,
    (a) the digit 6 stands for _____.
    (b) the digit 5 is in the _____ place.

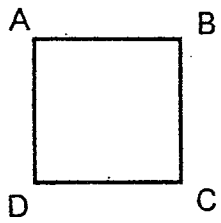
Ans: (a) _____

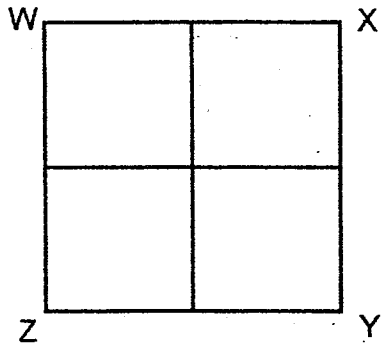
(b) _____

26. There were 215 dolls in Mini Store and 7 times as many dolls in Mega Store. Each doll was sold at $13. How much did both stores collect altogether after selling all the dolls?

Ans: $ _____

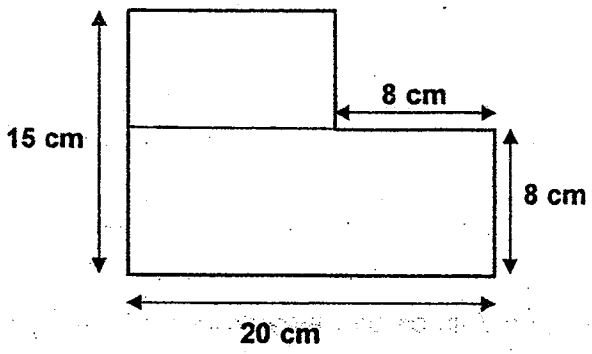
27. The perimeter of square ABCD is 100 cm.
4 such squares are used to form the figure WXYZ.
Find the perimeter of figure WXYZ.



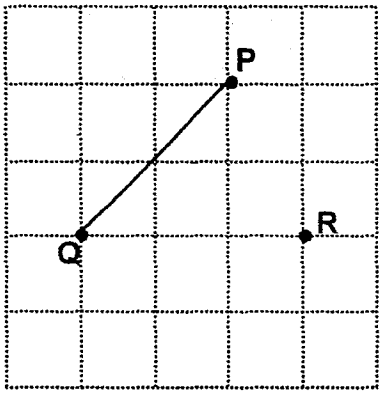

Ans: _____ cm

28. In the figure below, all the lines meet at right angles. Find its area.




Ans: _____ $cm^2$

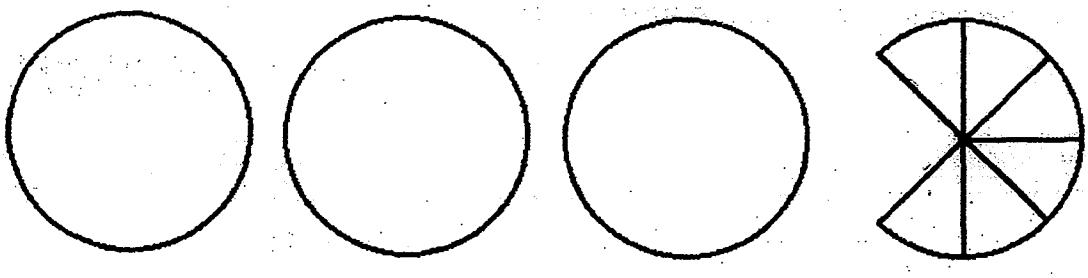
29. Draw a line that is perpendicular to line PQ, passing through point R.




30. Study the pattern below. What comes next?


Ans: _____

31. The picture below shows the amount of cake Mrs Tan had at first. Her family ate $1\frac{1}{4}$ cakes. How much cake had she left? Express your answer in the simplest form.



Ans: _____

32. Hui Ling had $\frac{4}{5}$ kg of prawns. She sold $\frac{3}{10}$ kg of them.
How many kilograms of prawns had she left?
Leave your answer in its simplest form.

Ans: _____ kg

33. Study the number pattern below. What is the missing number?

2001 , 2002 , 2006 , 2015 , 2031 , _____ , 2092 , 2141

Ans: _____

34. Vasinthi had some bottles.
She gave her sister $\frac{2}{5}$ of the bottles and had 36 bottles left.
How many bottles did she have at first?

Ans: _____

35. 5 children, James, Khloe, Linda, Muthu and Norshina have 5 different fraction cards, $1\frac{2}{5}$ , $2\frac{3}{5}$ , $1\frac{4}{5}$ , $4\frac{2}{5}$ and $2\frac{2}{5}$, not necessary in this order.

Khloe has the smallest card while James has the largest card.
The difference between James' card and Norshina's card is 2.
The sum of Norshina's card and Muthu's card is a whole number.
Which fraction card is Linda holding?

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. Raja and Kumar had the same amount of money at first.
After Raja spent $286 and Kumar spent $109,
Kumar had 4 times as much money as Raja.
How much money did each of them have at first?

Ans: _____ [3]

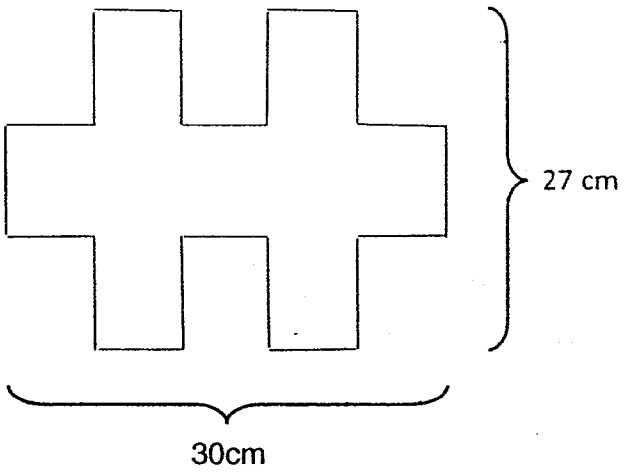
37. Marinda had $2\frac{2}{5}$ m of cloth at first. She gave $\frac{4}{5}$ m of cloth to her best friend and $1\frac{1}{5}$ m to her sister. What was the length of the cloth left?

Ans: _____ [3]

38. Shirley had 3 sisters.
After giving 1268 stickers to each sister, she had 987 stickers left. How many stickers did she have at first?

Ans: _____ [3]

39. In the figure below, all horizontal lines are equal and all vertical lines are equal. All lines meet at right angles. Find the area of the figure.




Ans: _____【4】

40. Miss Tan bought 792 candies.
She gave away 25 candies and packed the rest of the candies in bags of 6.

(a) How many bags of 6 candies did she pack?

(b) How many candies were left unpacked?

Ans: (a) _____ [3]
(b) _____ [1]

41. Johnny had 100 twenty-cent coins.

On Day 1, he used up $\frac{1}{10}$ of his coins.

On Day 2, he used up $\frac{1}{10}$ of his coins which was left at the end of Day 1.

On Day 3, he used up $\frac{1}{9}$ of his coins which was left at the end of Day 2.

(a) How many coins did he have left at the end of Day 1?

(b) How much money was left at the end of Day 3?

Ans: (a) _____ [1]

(b) _____ [4]

42. Mary, Susan and David weigh themselves on a weighing scale. David and Susan weigh 66 kg. Mary and David weigh 70 kg. Susan and Mary weigh 64 kg. What is the mass of each pupil?

Ans: Mary _____

Susan _____

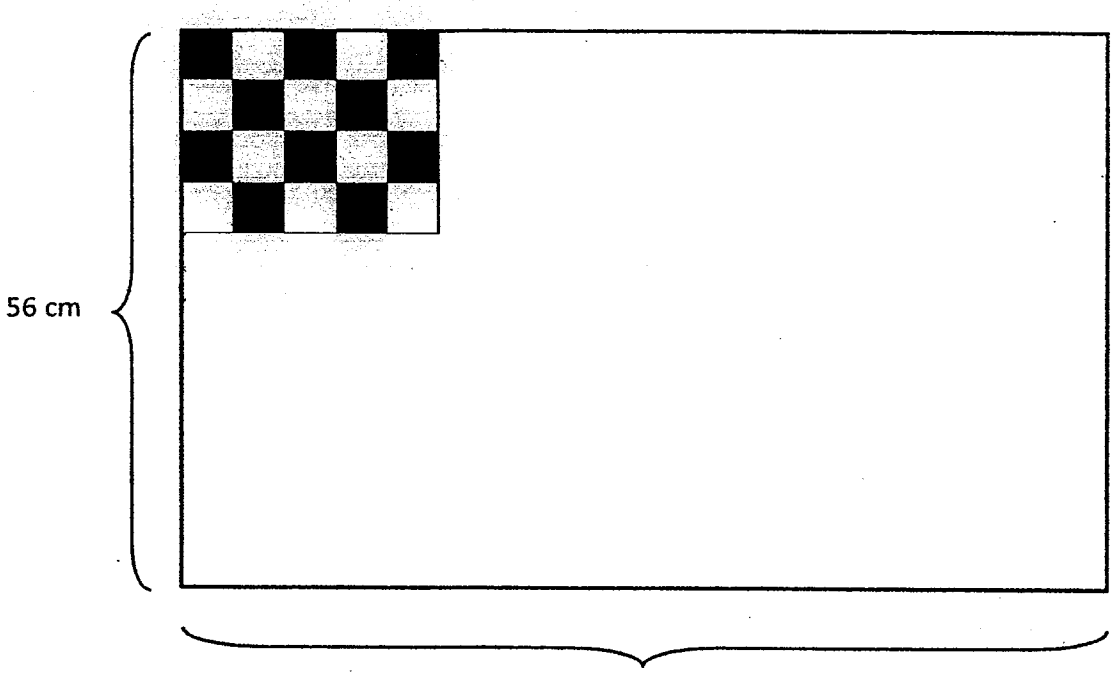
David _____

[4]

43. A rectangular piece of paper, 56 cm by 90 cm, is to be completely covered with black and white stickers, as shown in the figure below. Each sticker measures 2 cm by 2 cm. The cost of each white sticker is 5¢.

(a) By including the black stickers shown in the figure, what is the total number of black stickers required to cover the paper completely?

(b) How much do all the white stickers cost?




Ans: (a) _____ [3]

(b) _____ [2]

44. Daniel had $144 more than Ryan at first.
After Daniel gave $342 to Ryan, Ryan had 3 times as much as Daniel.
How much did they have altogether?

Ans: _____ [4]

-End of Paper-
Please check your work carefully ☺

Setters: Mr Johnson Ong
Ms Wai Sook Har

**School: RAFFLES GIRLS' PRIMARY SCHOOL**
**Subject: PRIMARY 4 MATHEMATICS**
**Term: SA1**

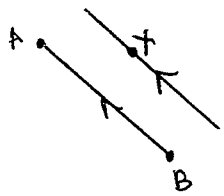
| | | | | | |
|---|---|---|---|---|---|
| 1) | 1 | 6) | 1 | 11) | 4 |
| 2) | 3 | 7) | 3 | 12) | 3 |
| 3) | 3 | 8) | 3 | 13) | 2 |
| 4) | 4 | 9) | 4 | 14) | 3 |
| 5) | 3 | 10) | 4 | 15) | 3 |

16. 15

17. 2250

18. 16

19.




20. 4

21. North-west

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

23. 8

24. 24600

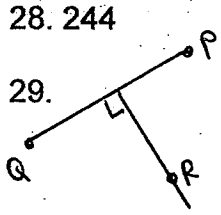
25. (a) 60000
    (b) thousands

26. 22360

27. 200

28. 244

29.




30. 

31. $2\frac{1}{2}$

32. $^1/_2$

33. 2056

34. 60

35. $1^4/_5$

36. 109 + 286 = 395
    286 – 109 = 177
    177 ÷ 3 = 59
    59 x 4 = 236
    236 + 109 = **$345**

37. $2^2/_5 - {}^4/_5 - 1^1/_5 = {}^2/_5$**m**

38. 1268 x 3 = 3804
    3804 + 987 = **4791**

39. 30 ÷ 5 = 6
    27 ÷ 3 = 9
    6 x 9 = 54
    54 x 9 = **486cm$^2$**

40. 792 – 25 = 767
    767 ÷ 6 = 127r5
    (a) **127**
    (b) **5**

41. (a) 100 – 10 = **90**
    (b) 90 – 9 = 81
    $^1/_9$ x 81 = 9
    81 – 9 = 72
    72 x 20 = 1440 cents = **$14.40**

42. 2D + 2S + 2M → 66 + 70 + 64 = 200
    1D + 1M + 1S → 100
    100 – 66 = **34kg** (Mary)
    100 – 70 = **30kg** (Susan)
    100 – 64 = **36kg** (David)

43. (a) 56 ÷ 2 = 28
    90 ÷ 2 = 45
    28 x 45 = 1260
    1260 ÷ 2 = **630**
    (b) 630 x 5 cents = 3150 cents = **$31.50**

44. 348 – 144 = 198
    198 + 348 = 540 (2u)
    540 x 2 = **$1080**