RAFFLES GIRLS' PRIMARY SCHOOL
SEMESTRAL ASSESSMENT 1
MATHEMATICS
PRIMARY 4

Name: _____ ( )

Math Teacher: _____ Form Class: P4 _____

Date: 8th May 2017 Duration: 1h 45 min

Your Score	
Section A (Out of 25 marks)	
Section B (Out of 40 marks)	
Section C (Out of 35 marks)	
Overall (Out of 100 marks)	

INSTRUCTIONS TO CANDIDATES

1. Do not turn over this page until you are told to do so.
2. Follow all instructions carefully.
3. Answer ALL questions and show all working clearly.

SECTION A (25 marks)

Questions 1 to 5 carry 1 mark each. Questions 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. The value of the digit 2 in 53 208 is _____.

   (1) 20

   (2) 200

   (3) 2000

   (4) 20 000

2. 68 899 when rounded to the nearest ten is _____.

   (1) 68 890

   (2) 68 900

   (3) 69 000

   (4) 69 990

3. Multiply 387 by 6.

   (1) 2322

   (2) 2282

   (3) 1882

   (4) 1822

4. Multiply 250 by 3 tens.

(1) 75

(2) 750

(3) 7500

(4) 75 000

5. The length of a piece of string is 2 m 5 cm.
What is its length in centimetres?

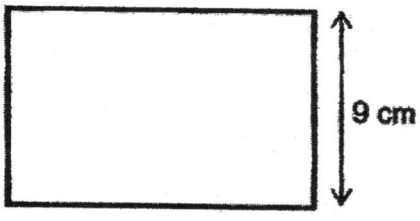
(1) 25 cm

(2) 205 cm

(3) 250 cm

(4) 2005 cm

6. The perimeter of the rectangle shown below is 72 cm. Find its length.



(1) 8 cm

(2) 18 cm

(3) 27 cm

(4) 54 cm

7. The mass of a child is 20 103 g.
What is his mass in kilograms and grams?

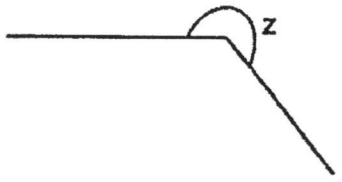
(1) 2 kg 103 g

(2) 20 kg 13 g

(3) 20 kg 103 g

(4) 201 kg 3 g

8. In the figure shown below, $\angle z$ is _____.



(1) less than 90°

(2) between 90° and 180°

(3) between 180° and 270°

(4) between 270° and 360°

9. Which of the following is an equivalent fraction of $\frac{1}{3}$?

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

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

(3) $\frac{2}{8}$

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

10. Arrange the fractions from the greatest to smallest.

$$\frac{4}{9}, \frac{2}{3}, \frac{6}{7}$$

(1) $\frac{4}{9}, \frac{2}{3}, \frac{6}{7}$

(2) $\frac{2}{3}, \frac{4}{9}, \frac{6}{7}$

(3) $\frac{2}{3}, \frac{6}{7}, \frac{4}{9}$

(4) $\frac{6}{7}, \frac{2}{3}, \frac{4}{9}$

11. Thomas has 1094 marbles while Mingli has 200 marbles more than Thomas. How many marbles do they have altogether?

(1) 1294
(2) 1988
(3) 2188
(4) 2388

12. What is the sum of all the factors of 16?

(1) 6
(2) 17
(3) 31
(4) 35

13. What is the difference between the third multiple and the seventh multiple of 7?

(1) 70
(2) 28
(3) 21
(4) 10

14. Jia Xin had twice as many stickers as Lynn.
Lynn had twice as many stickers as Hui Lin.
Given that they had 1750 stickers altogether, how many stickers did Hui Lin have?

(1) 250

(2) 350

(3) 500

(4) 700

15. What is the value of $\frac{1}{3} + \frac{3}{9}$?

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

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

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

(4) $\frac{4}{12}$

SECTION B (40 marks)

Questions 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.

---

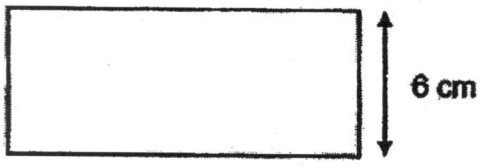
16. Ahmad wanted to exchange $4 to all 10¢ coins.
How many 10¢ coins would he have?

Ans: _____

17. Mr Tan bought 65 boxes of packet drinks.
Each box contained 13 packets of drinks.
How many packet drinks did Mr Tan buy?

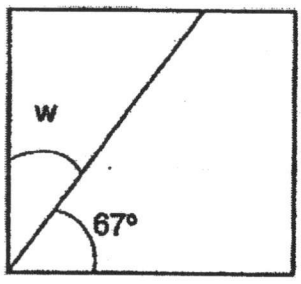
Ans: _____

18. The area of the rectangle shown below is 114 cm^2.
Its breadth is 6 cm. Find the length of the rectangle.



Ans: _____cm

19. The figure shown below is a square. Calculate $\angle$ w.

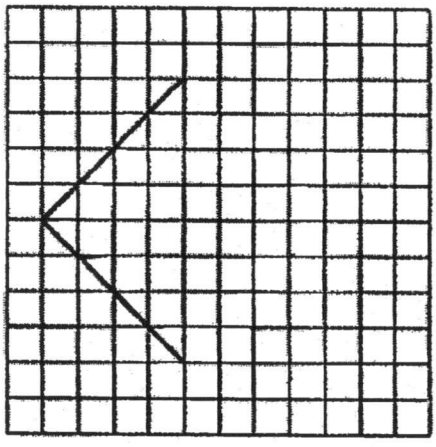


Ans: _____°

20. The area of a square is 64 cm^2. What is the breadth of the

Ans: _____cm

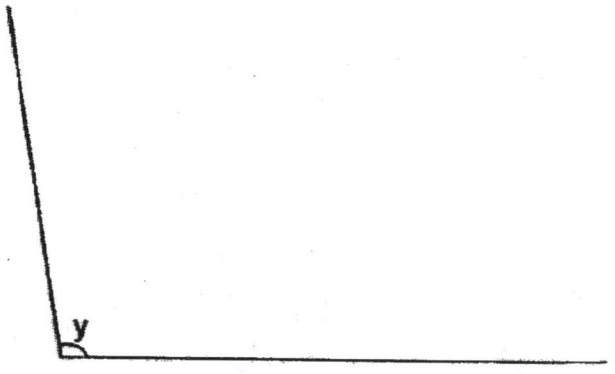
21. Complete the drawing in the grid such that the figure is a square.



22. Mrs Gopal bought 3 kg of flour. She made 20 muffins and she used 30 g of flour to make each muffin. How much flour did she have left?
Give your answer in grams.

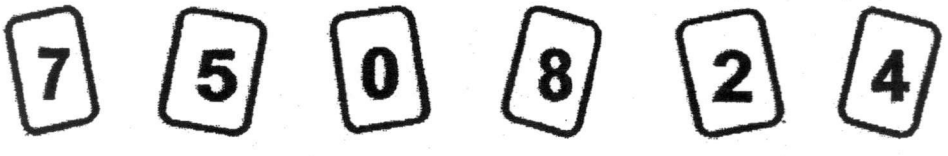
Ans: _____g

23. Measure ∠ y.



Ans: _____°

24. Using five out of the six cards given below, form the smallest 5-digit odd number. (Do not start with 0)



Ans: _____

25. In 49 728,

(a) the digit 9 stands for _____.

(b) the digit 7 is in the _____ place.

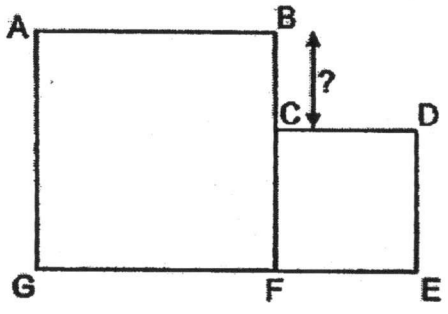
Ans: (a) _____

(b) _____

26. Mdm Hakimah bought 219 boxes of chocolates for her employees. Each box cost $14. How much did she pay for all the chocolates?

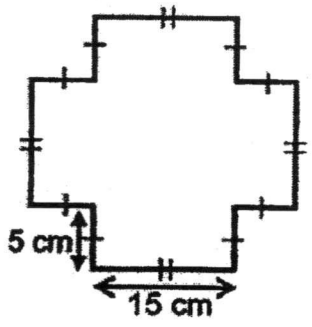
Ans: $_____

27. The perimeter of square ABFG is 100 cm and the perimeter of square CDEF is 60 cm. Find the length of BC.



Ans: _____cm

28. Find the perimeter of the figure shown below.

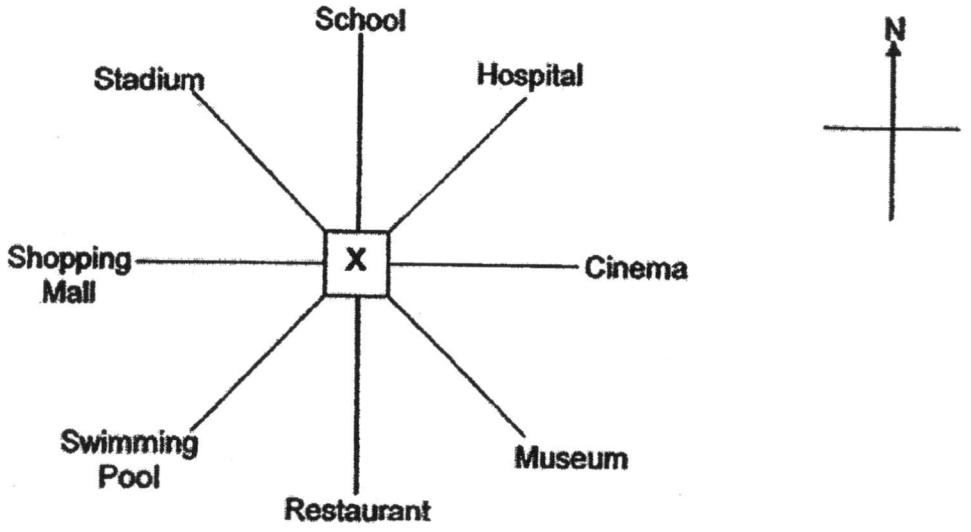


Ans: _____ cm

29. Draw ∠PQR = 85° using the given line. Mark and label the angle.

P Q

30. Look at the diagram below. Cindy is standing at point X facing south-west now. She will turn through an angle of 135° in the clockwise direction. Where will she be facing after the turn?



Ans: _____

31. Subtract $\frac{1}{4}$ from $\frac{7}{12}$

Give your answer in the simplest form.

Ans: _____

32. Meng had 4900 beads. He had 599 fewer beads than Lemin.
How many beads did they have altogether?

Ans: _____

33. A repeated pattern is formed using the digits 0 and 2.
The first 15 digits are shown below.
What is the sum of the first 50 digits?

2 0 2 0 2 2 0 2 0 2 2 0 2 0 2 ...
1st 2nd 3rd 15th

Ans: _____

34. The product of two different numbers is 96.
The sum of the two numbers is 20.
What are the two numbers?

Ans: _____ and _____

35. Mindy has 2 ribbons, Ribbon A and Ribbon B. Both the ribbons are of equal length. Ribbon A can be cut into 3-cm pieces without any remainder and ribbon B can be cut into 4-cm pieces without any remainder. What is the length of each ribbon?

Ans: _____cm

SECTION C (35 marks)

For questions 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. Bag A contained 1040 g of rice.
Bag B contained twice as much rice as Bag A.
There was 700 g less rice in Bag C than Bag B.
What was the total mass of rice in bags A, B and C?

Ans: _____ [3]

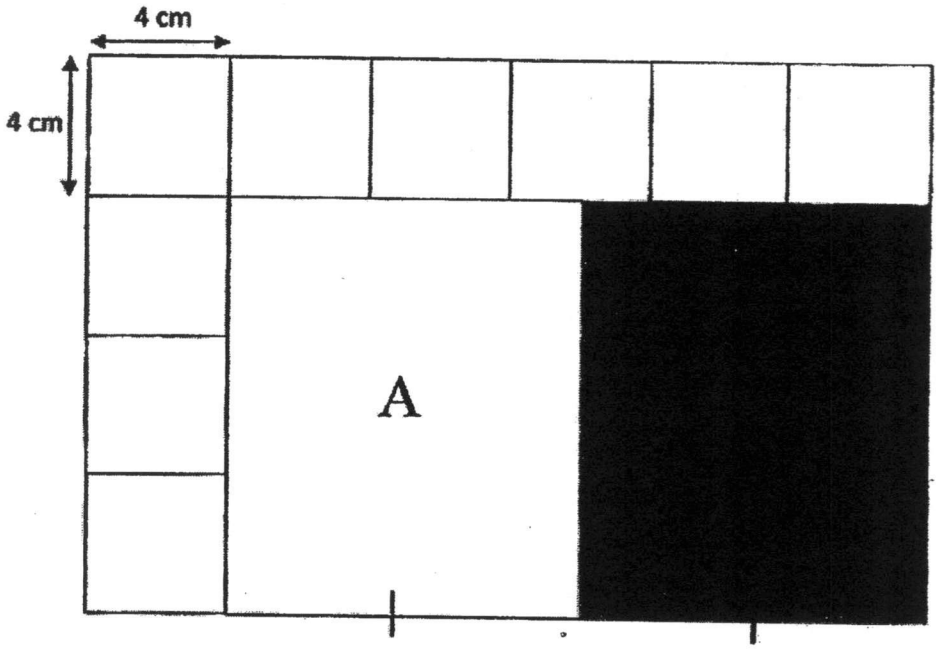
37. An arm chair costs 4 times as much as a stool.
Jenny paid $585 for an arm chair and 5 stools.
Find the cost of the arm chair.

Ans: _____ [3]

38. Khalid was supposed to divide a 3-digit number by a 1-digit number. He made a mistake by dividing the 3-digit number by 3 instead of 4. He obtained the incorrect answer of 208. What should be the correct answer?

Ans: _____ [3]

39. The figure below is made up of 9 identical 4-cm squares and 2 identical rectangles, A and B. Find the area of the shaded rectangle B.



Ans: _____ [4]

40. Matilda and Nelly had a total of 456 stickers.
Nelly and Yi Peng had a total of 224 stickers.
Matilda had 5 times as many stickers as Yi Peng.
How many stickers did Nelly have?

Ans: _____ [4]

41. Siew Ping had $152 more than Tom at first.
After Siew Ping gave $301 to Tom, Tom had 4 times as much money as Siew Ping. How much did they have altogether?

Ans: _____ [4]

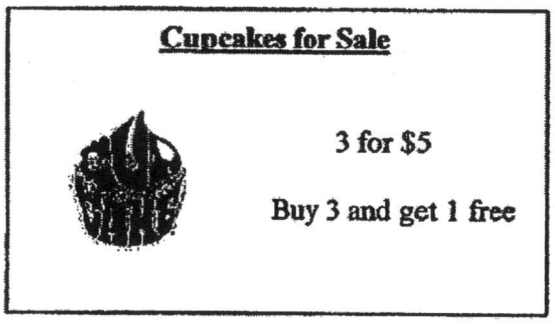
42. This year, Minghui's age is a multiple of 6. Two years later, her age will be a multiple of 5. Minghui is more than 20 years old but less than 80 years old. How old will she be in 7 years' time?

Ans: _____ [4]

43. A confectionery sells cupcakes at 3 for $5.
Customers receive a free cupcake for every 3 cupcakes they buy.

(a) How much did a customer pay if he received 20 cupcakes?

(b) How many cupcakes did a customer receive in total when he paid $30?



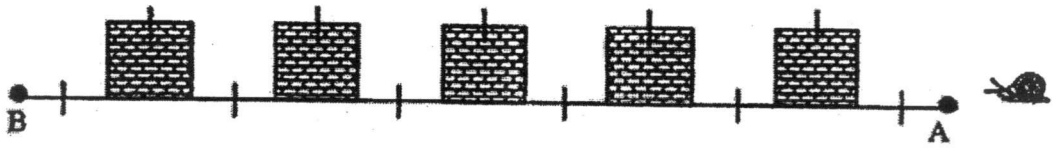
Ans: a) _____[2]

b) _____[3]

44. The snail in the diagram below needs to climb over 5 identical square bricks from point A to reach B. The distance between 2 square bricks is equal to the side of one square brick. The total area of the 5 identical square bricks is 8000 cm^2.

(a) Find the area of a square brick.

(b) Find the distance travelled by the snail when it crawled from point A to point B.



(a) _____ [2]

Ans: (b) _____ [3]

-End of Paper-

Please check your work carefully ☺

Setters: J. Ong
M. Yeo

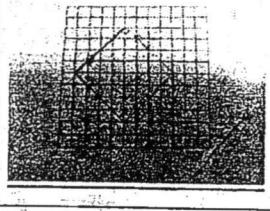
SCHOOL : RAFFLES GIRLS' PRIMARY SCHOOL
LEVEL : PRIMARY 4
SUBJECT : MATH
TERM : 2017 SA1

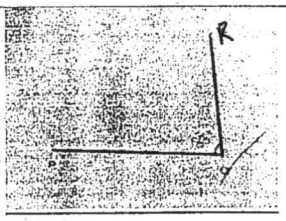
CONTACT :

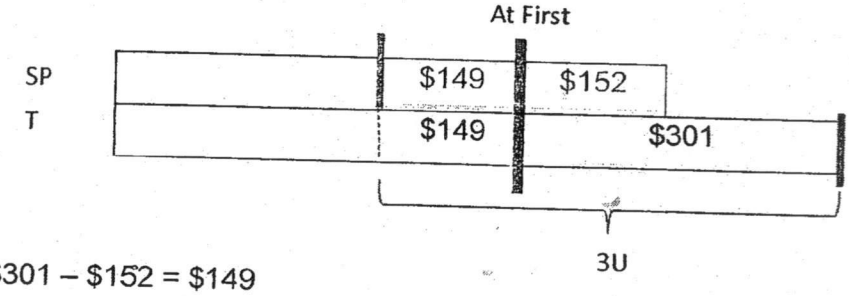
SECTION A

Q 1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
2	2	1	3	2	3	3	3	4	4
Q 11	Q12	Q13	Q14	Q15					
4	3	2	1	1					

SECTION B

Q16)	**100/10 = 10** **10 x 4 = 40**
Q17)	65 x 13 = **845**
Q18)	114 ÷ 6 = **14**
Q19)	90 – 67 = **23**
Q20)	**8**
Q21)	
Q22)	30 x 20 = 600 3000 – 600 = **2400**
Q23)	**98**
Q24)	**20457**
Q25)	a) **9000** b) **Hundreds**
Q26)	219 x 14 = **3066**
Q27)	100 ÷ 4 = 25

	60 ÷ 4 = 15 25 – 15 = **10**
Q28)	15 x 4 = 60 5 x 8 = 40 40 + 60 = **100**
Q29)	
Q30)	**School**
Q31)	7/12 – ¼ = 7/12 – 3/12 = 4/12 = **1/3**
Q32)	4900 + 599 = 5499 5499 + 4900 = **10399**
Q33)	1 group is 6 50 ÷ 5 = 10 6 x 10 = **60**
Q34)	**12** and **8**
Q35)	**12**
Q36)	1040 – 700 = 340 1040 x 4 = 4160 340 + 4160 = **4500**
Q37)	585 ÷ 9 = 65 65 x 4 = **260**
Q38)	208 x 3 = 624 624 ÷ 4 = **156**

Q39)	4 ÷ 2 = 2 4 x 2 + 2 = 10 10 x 3 x 4 = **120**
Q40)	450 – 224 = 232 232 ÷ 4 = 58 224 – 58 = **166**
Q41)	 $301 – $152 = $149 3U → $301 + $149 = $450 1U → $450 ÷ 3 = $150 Total (5U) → $150 x 5 = **$750**
Q42)	6 : 6, 12, 18, 24, 30, 36, 42, 48 +2 : 8, 14, 20, 26, 32, 38, 44, 50 48 + 7 = **55**
Q43)	a) 3C + 1F → $5 20 ÷ 4 = 5 5 x 5 = **25** b) 30 ÷ 5 = 6 6 x 4 = **24**
Q44)	a) 40 cm x 40 cm = **1600 cm^2** b) 40 cm x 21 = **840 cm**