403 / SA2 / 24

RED SWASTIKA SCHOOL

RED SWASTIKA SCHOOL

2015 SEMESTRAL ASSESSMENT 2

MATHEMATICS

Name : _____ ( )

Class : Primary 4 / _____

Date : 30 Oct 2015

BOOKLET A

20 Questions
40 Marks
Duration of Paper : 1 hour 45 minutes

Note:

1. Do not open this Booklet until you are told to do so.
2. Read carefully the instructions given at the beginning of each part of the Booklet.
3. Do not waste time. If a question is difficult for you, go on to the next one.
4. Check your answers thoroughly and make sure you attempt every question.
5. In this booklet, you should have the following:
   (a) Page 1 to Page 6
   (b) Questions 1 to 20

Questions 1 to 20 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 the correct oval (1, 2, 3 or 4) on the Optical Answer Sheet.

(40 marks)

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1 44 thousands and 5 tens is the same as _____.

(1) 445
(2) 4 450
(3) 44 005
(4) 44 050

2 Which of the following is a multiple of 9?

(1) 36
(2) 28
(3) 3
(4) 19

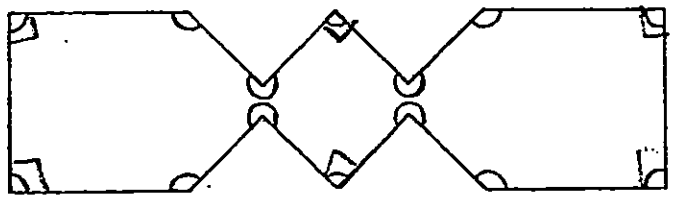
3 Which of the following is not an equivalent fraction of $\frac{1}{4}$?

(1) $\frac{2}{8}$
(2) $\frac{3}{12}$
(3) $\frac{5}{15}$
(4) $\frac{6}{24}$

4 $\frac{1}{6} + \frac{1}{12} =$ _____

(1) $\frac{1}{72}$
(2) $\frac{2}{6}$
(3) $\frac{2}{18}$
(4) $\frac{3}{12}$

5 In the figure below, how many of the marked angles are right angles?



(1) 14
(2) 10
(3) 6
(4) 4

6 In which of the following numbers does the digit 3 stand for 3 tenths?

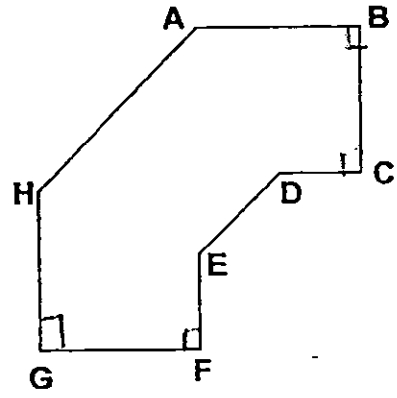
(1) 14.36
(2) 23.54
(3) 31.78
(4) 45.23

7 Round off 74 949 to the nearest hundred.

(1) 74 900
(2) 74 940
(3) 74 950
(4) 75 000

8 In the figure below, how many pairs of perpendicular lines are there?

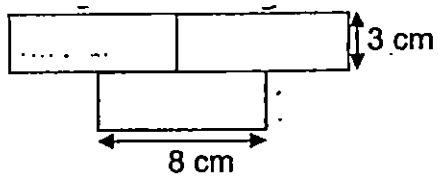
(1) 8
(2) 2
(3) 3
(4) 4



9 The perimeter of a rectangle is 96 cm. The length is twice its breadth. What is the length of the rectangle?

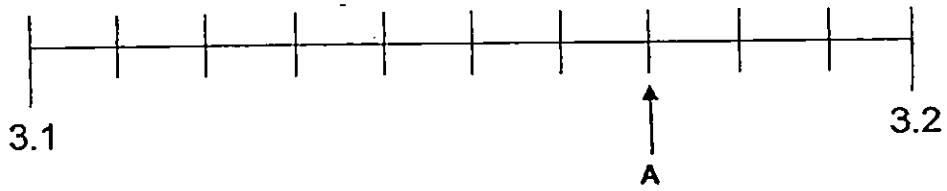
(1) 16 cm
(2) 24 cm
(3) 32 cm
(4) 64 cm

10 The figure below is made up of 3 identical rectangles. The length of the rectangle is 8 cm and its breadth is 3 cm. What is the perimeter of the figure?



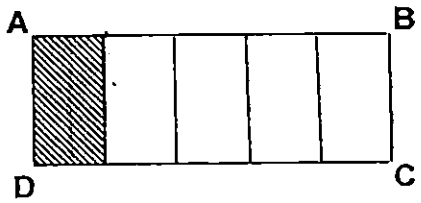
(1) 22 cm
(2) 44 cm
(3) 66 cm
(4) 72 cm

11 Which of the following decimals is represented by the letter A?



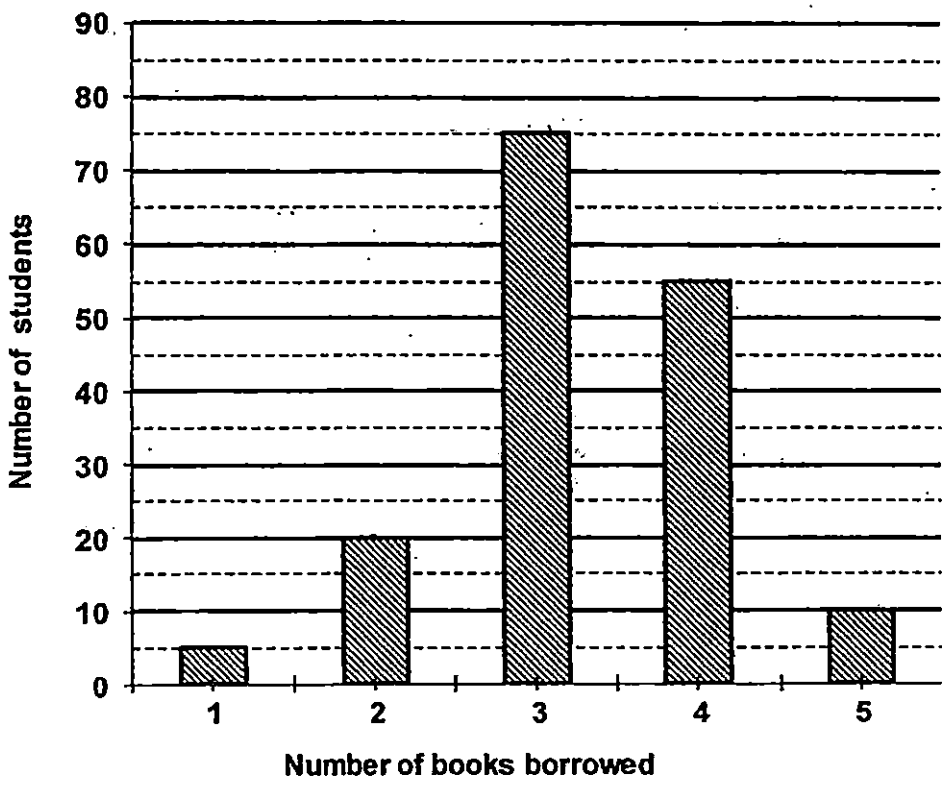
(1) 0.7
(2) 3.07
(3) 3.17
(4) 3.7

12 The figure below shows a shaded rectangle in Figure ABCD. How many more rectangles must be shaded to show 0.6 of Figure ABCD being shaded?



(1) 1
(2) 2
(3) 3
(4) 4

The bar graph below shows the number of students who borrowed books from the school library. Study the graph carefully and answer Question 13.



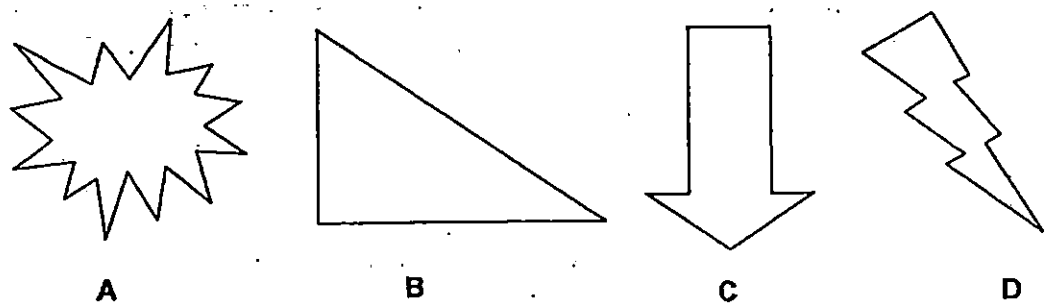
13 How many students borrowed more than 3 books?

(1) 25
(2) 65
(3) 75
(4) 140

14 Mrs Goh went to a party with her friends. She left the house at 7.55 p.m. and returned home at 12.05 a.m. How long was she out that night?

(1) 4 h 0 min
(2) 4 h 5 min
(3) 4 h 10 min
(4) 4 h 50 min

15 Which one of the following figures has a line of symmetry?



A B C D

(1) A
(2) B
(3) C
(4) D

16 Mrs Pang's present age is a multiple of 4. Three years later, her age will be a multiple of 7. How old is Mrs Pang now?

(1) 32
(2) 35
(3) 40
(4) 42

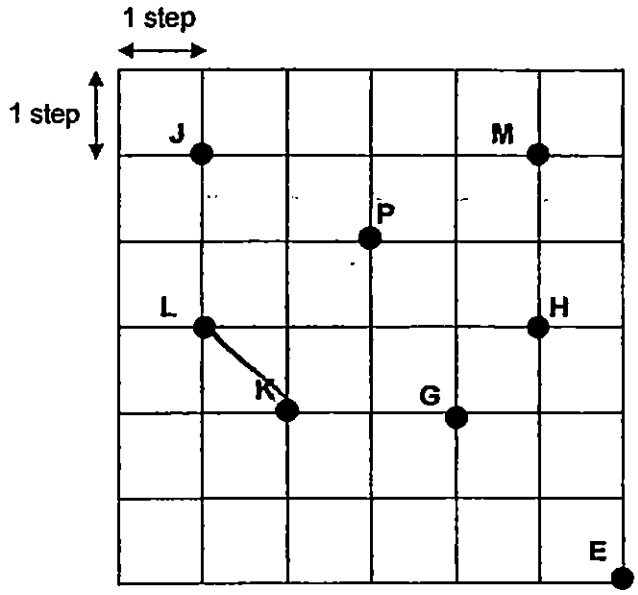
17 The mass of 5 similar crates of pineapples and 3 similar crates of mangosteens is 98 kg. The mass of 2 similar crates of pineapples and 3 similar crates of mangosteens is 59 kg. Find the mass of 3 such crates of mangosteens.

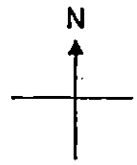
(1) 13 kg
(2) 26 kg
(3) 33 kg
(4) 39 kg

18 Jolene celebrated her birthday on Saturday at 18 45. Zoe celebrated her birthday 22 h earlier. On what day and at what time did Zoe celebrate her birthday?

(1) Friday , 19 45
(2) Friday , 20 45
(3) Sunday , 16 45
(4) Sunday , 17 45

Study the diagram below carefully and use it to answer Questions 19 and 20.





19 Point L is _____ of Point K.

(1) north-east
(2) north-west
(3) south-east
(4) south-west

20 Eugene was at a certain position. He walked as instructed below and ended up at Point P.

Move	Direction
1st	3 steps to the south
2nd	2 steps to the east
3rd	2 steps to the north

Where was his starting position?

(1) Point H
(2) Point J
(3) Point L
(4) Point M

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2015 SEMESTRAL ASSESSMENT 2

MATHEMATICS

Name : _____.( )

Class : Primary 4 / _____

Date : 30 Oct 2015

BOOKLET B

28 Questions
60 Marks

In this booklet, you should have the following:
(a) Page 7 to Page 15
(b) Questions 21 to 48

MARKS

	OBTAINED	POSSIBLE
BOOKLET A		40
BOOKLET B		60
TOTAL		100

Parent's Signature : _____

Questions 21 to 30 carry 1 mark each. Questions 31 to 40 carry 2 marks each. Show your working clearly in the space below each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

(30 marks)

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21 When a number is divided by 7, the quotient is 145 and the remainder is 6. What is the number?

Ans: _____

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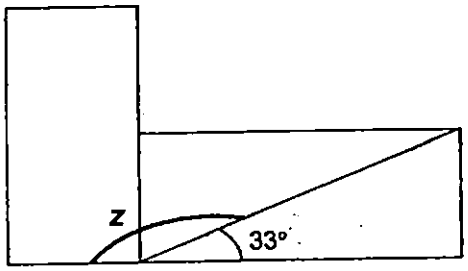
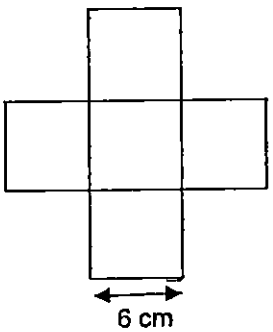
22 The figure below is made up of 2 rectangles. Find $\angle z$.



Ans: _____ °

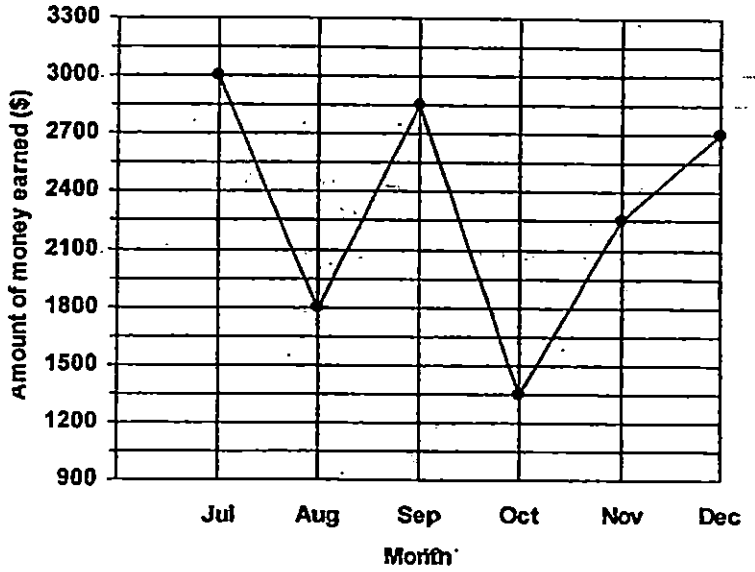
---

23 The figure below is made up of 5 identical squares of side 6 cm. Find the area of the figure.



Ans: _____ cm^2

The line graph below shows the amount of money Mr Ang earned from selling stationery from July to December. Study the graph carefully and use it to answer Questions 24 to 27.



24 What was Mr Ang's earnings for the month of September?

Ans: $_____

25 What was the difference in Mr Ang's earnings for July and November?

Ans: $_____

26 Mr Ang earned 2 times as much in one particular month than in another month. Which were the two months?

Ans: _____ and _____

27 Mr Ang earned a total of $15 000 for the 7 months from June to December. How much did he earn for the month of June?

_____

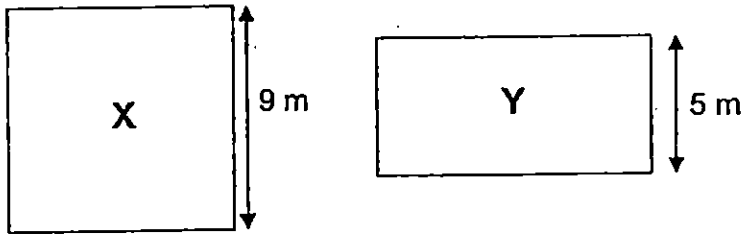
4

28 A tour coach left Singapore and arrived at Malacca at 00 25. The trip took 3 h 35 min. What time did the tour coach leave Singapore?

Ans: _____

---

29 The figures below show Square X and Rectangle Y. The length of Square X is 9 m and the breadth of Rectangle Y is 5 m. If both Square X and Rectangle Y have the same perimeter, find the area of Rectangle Y.



Ans: _____ m^2

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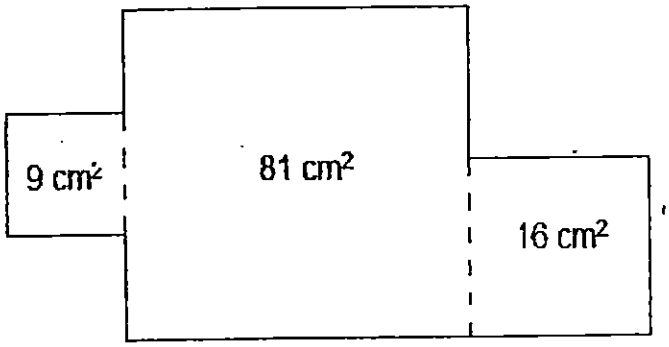
30 The figure below is made up of 3 squares. A piece of wire is used to construct the outline of the figure. What is the length of the wire used?



_____ cm

---

31 Write eleven thousand and ninety-two in figures.

Ans: _____

---

32 Write the missing number in the number pattern below.

4 549 4 699 , 4849 , _____ , 5 149

Ans: _____

---

33 Two factors of 6 are 1 and 6. What are the other two factors of 6?

Ans: _____ and _____

---

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

$\frac{4}{5}$, $\frac{4}{10}$, $\frac{9}{10}$

Ans: _____ (smallest) , _____ , _____ (greatest)

---

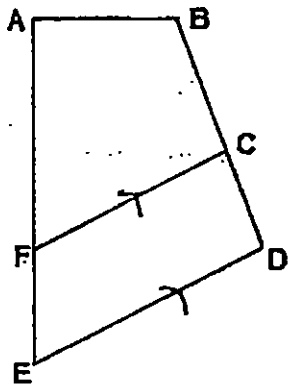
35 Find the value of $1-\frac{1}{8}-\frac{1}{4}$

Ans: _____

10

10

36 In the figure, one of the lines is parallel to CF.
Which line is parallel to CF?



Ans: _____

---

37 $0.4 = \frac{4}{?}$ What is the missing number in the box?

Ans: _____

---

38 $8.37 - 6.59 =$ _____

Ans: _____

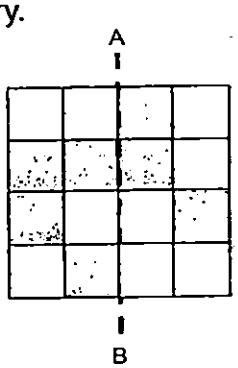
---

39 Find the value of 7.83×6.

Ans: _____

---

40 Shade three more squares to complete the figure which has AB as a line of symmetry.



Questions 41 to 48 carry 3 or 4 marks each. Show your working clearly in the space below each question and write your answers in the spaces provided. (30 marks)

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41 The table below shows the amount of money collected by Braydon and Daryl with missing information.

Name	$1 coins	$2 notes	Total Amount
Braydon	59 coins	?	$ 129
Daryl	67 coins	55 pieces	?

(a) How much money did Daryl have?

(b) How many $2 notes did Braydon have?

Ans: (a) _____ [2]

Ans: (b) _____ [2]

---

42 At the supermarket, apples were sold at 3 for $4.55 and pears were sold at 5 for $3.95. What was the total amount of money that Mrs Chua had to pay if she bought 15 such apples and 10 such pears?

Ans: _____ [4]

---

43 A sack contained 15.5 kg of flour. Mr Lee used 9.98 kg of flour and packed the remaining flour equally into 8 bags. What was the mass of flour in each bag? Round off your answer to 1 decimal place.

Ans: _____ [4]

---

44 Felicia had some beads. She used $\frac{2}{3}$ of her beads to make a necklace. She then used $\frac{1}{6}$ of her beads to make a bracelet. If she used 27 more beads to make the necklace than the bracelet, how many beads did she have at first?

Ans: _____ [3]

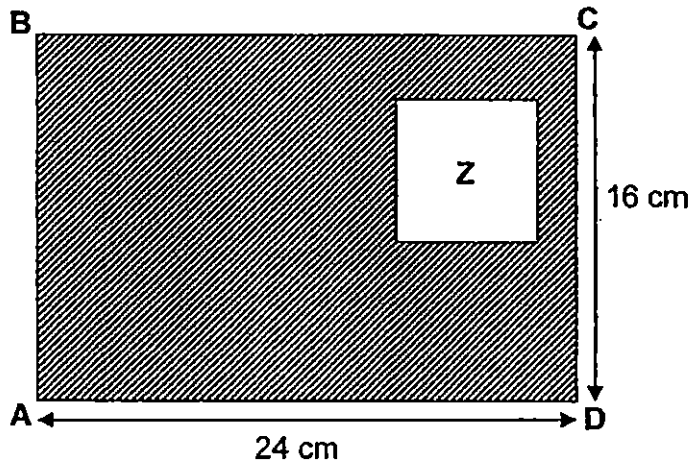
7

45 In a farm, $\frac{1}{4}$ of the animals were cows. The number of cows was equal to the number of chickens. The rest of the animals were goats. If there were 40 goats. how many animals were there in the farm altogether?

Ans: _____ [4]

---

46 In the figure below, ABCD is a rectangle. AD is 24 cm and CD is 16 cm. The area of the shaded part is 335 cm^2. What is the length of Square Z?



Ans: _____ [3]

7

47 Mrs Tan and Mrs Lee had the same amount of money. After Mrs Tan bought 5 kg of seafood, she had $72 left. Mrs Lee needed $18 more to buy 8 kg of similar seafood. How much money does Mrs Lee have at first?

Ans: _____ [4]

---

48 The price of a magazine was $4. During the SG50 promotion, every customer who bought 2 magazines was entitled to an additional magazine for free. What was the least amount of money Soo Lin had to pay for 442 magazines?

Ans: _____ [4]

End of Paper

EXAM PAPER 2015
LEVEL : PRIMARY 4
SCHOOL : RED SWASTIKA SCHOOL
SUBJECT : MATHEMATICS
TERM : SA2

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
4	1	3	4	3	1	1	4	3	2
Q11	Q12	Q13	Q14	Q15	Q16	Q17	Q18	Q19	Q20
3	2	2	3	3	1	3	2	2	2

Q21.1021

Q22. 147°

Q23. 180cm² → A of I S 6x6=36, A of 5 S 36 x 5 = 180

Q24. $2850

Q25. $750 → 3000 – 2250 = 750

Q26. July and December → 1350 x 2 = 2700

Q27. 1050 → 3000+1800+2850+1350+2250+2700 = 13950, 1500-13950=1050

Q28. 2050

Q29. 65m² → 9x4=36, 5+5=10, 36-10=26, 26÷2=13, A of Y = 13 X 5 = 65

Q30. 50cm → 12+15+18=5=50

Q31. 11092

Q32. 4999

Q33. 2 and 3

Q34. $\frac{4}{10}$ (smallest), ⅘, $\frac{9}{10}$ (greatest)

Q35. ⅝ → $\frac{8}{8} - ⅛ - \frac{2}{8} = ⅝$

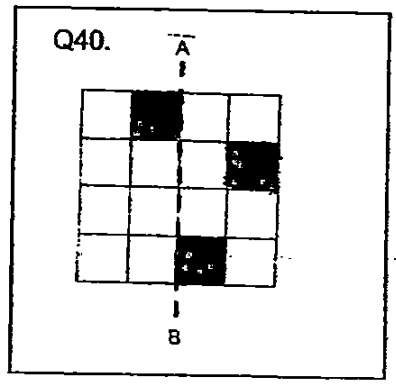
Q36. DE

Q37. 10

Q38. 1.78

Q39. 46.98

Q40. SEE PICTURE



Q41a. $177 → 67 x 1=67, 55 2 =110, 110+67=177

Q41b. 35 → 59 x 1 = 59, difference 129-59=70, pieces 70÷2=35

Q42 $30.65 → 4.55 x 5= 22.75, 3.95 x 2 = 7.90, 22.75 +7.90 = 30.65

Q43. 0.7kg → 15.5-9.98=5.52, 5.52 ÷8==0.69, 0.69 ≈ 0.7

Q44. 54 → 4u – 1u = 3u, 3u 27, 1u → 27÷3=9, 6u → 9x6=54

Q45. 80→ 2u → 40, 1u→ 20, 4u → 20x4=80

Q46. 7cm→ 16 x 24=384, A of Z / difference→ 384 – 335 = 49, 49 = 7 x 7

Q47. 222
3kg of seafood→ 72 + 18 = 90,1kg of seafood → 90 ÷3=30, (5 x 30) +72 = 222

Q48. $1180
No. of sets→ 442 ÷3=147R1
No. of M →147 x 2 = 294
Cost of 294m→ 294 x 4 = 1176 +4=1180