NANYANG PRIMARY SCHOOL

SECOND SEMESTRAL EXAMINATION 2017

PRIMARY 3

MATHEMATICS

DURATION: 1 HOUR 45 MINUTES

Section A	/ 40
Section B	/ 40
Section C	/ 20

Total:	/ 100

Name: _____ ( )

Class: Primary 3 ( )

Date: _____

Any query on marks awarded should be raised by 8 November 2017. We seek your understanding in this matter as any delay in the confirmation of marks will lead to delays in the generation of results.

Parent's Signature: _____

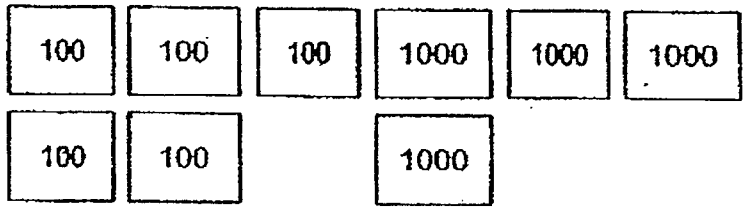
DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.
FOLLOW ALL INSTRUCTIONS CAREFULLY.
ANSWER ALL QUESTIONS.

Section A

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 oval (1, 2, 3 or 4) on the Optical Answer Sheet.

(Total: 40 marks)

1. What is the sum represented by the number cards?



(1) 900 (2) 4500
(3) 5400 (4) 9000

2. What is the sum of 8642 and 549?

(1) 8093 (2) 8191
(3) 9181 (4) 9191

3. What is 162 less than 1324?

(1) 1162 (2) 1242
(3) 1262 (4) 1486

4. What is the value of 178 x 7?

(1) 3746 (2) 1246
(3) 1196 (4) 796

5. What is the rember when 703 is divided by 9?

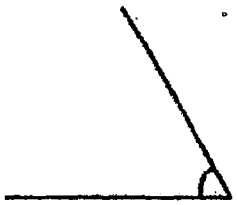
(1) 1 (2) 5
(3) 3 (4) 7

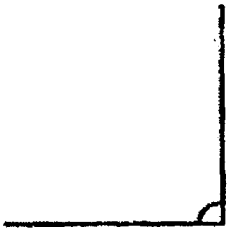
6. Which one of the following fractions is equivalent to $\frac{3}{5}$?

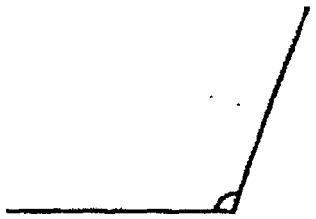
(1) $\frac{2}{4}$ (2) $\frac{3}{10}$
(3) $\frac{4}{6}$ (4) $\frac{6}{10}$

7. Which one of the following marked angles is a nght angle?

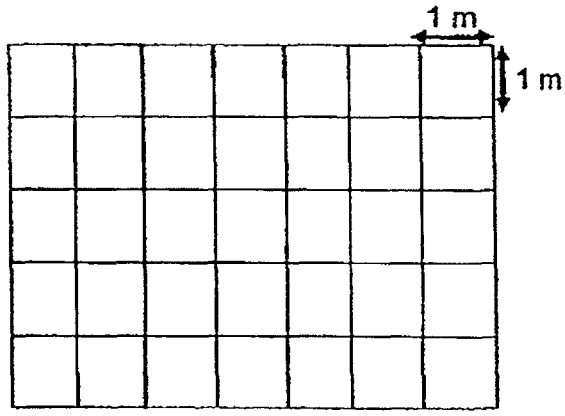
(1) 

(2) 

(3) 

(4) 

8. Study the figure shown in the grid below.



What is the perimeter of the figure?

(1) 11 m
(2) 16 m
(3) 20 m
(4) 44 m

9. Angela has 5421 beads.
She has 761 more beads than Bernard.
How many beads does Bernard have?

(1) 4660
(2) 4760
(3) 5340
(4) 6182

10. Janet has 107 muffins.
She packs 6 muffins into each box.
What is the smallest number of boxes she will need to pack all the muffins?

(1) 16
(2) 17
(3) 18
(4) 19

11. Sarah has 6 times as many crayons as John.
John has 102 crayons.
How many crayons does Sarah have?

(1) 17
(2) 108
(3) 602
(4) 612

12. Louise has 9 boxes of toothpicks.
Each box has 246 toothpicks.
How many toothpicks does Louise have?

(1) 1864
(2) 2164
(3) 2214
(4) 2376

13. Mary has 190 beads.
She makes each bracelet with 8 beads.
How many beads are not used?

(1) 6
(2) 2
(3) 3
(4) 23

14. Cai Ling used $\frac{1}{4}$ of a piece of ribbon for her art project.

She used another $\frac{5}{8}$ of the same piece of ribbon to tie a present.

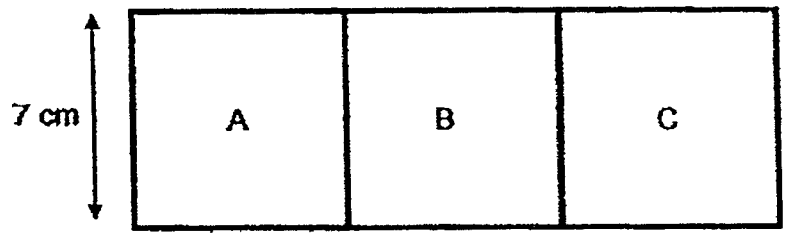
What fraction of the piece of ribbon did she use altogether?

(1) $\frac{3}{8}$
(2) $\frac{6}{12}$
(3) $\frac{6}{8}$
(4) $\frac{7}{8}$

15. Jason has $39.85
Karen has $0.55 more than him.
How much money do they have altogether?

(1) $39.30
(2) $40.40
(3) $79.15
(4) $80.25

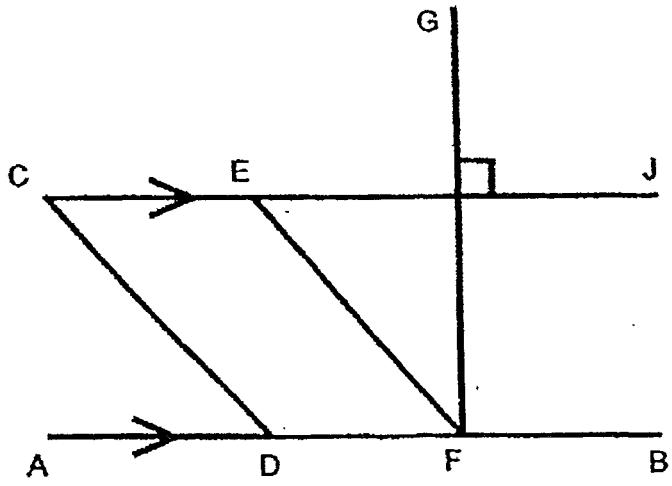
16. The figure below is made up of three identical squares A, B and C.
The length of each square is 7 cm.



What is the area of the figure?

(1) 49 cm^2
(2) 56 cm^2
(3) 70 cm^2
(4) 147 cm^2

17. Look at the figure below.
Lines CJ, AB, CD, EF and GF are straight lines.



Name the line that is perpendicular to AB.

(1) Line CD
(2) Line EF
(3) Line FG
(4) Line CJ

18. The calendar below shows the month of August 2017.

AUGUST 2017						
Sun	**Mon**	**Tue**	**Wed**	**Thur**	**Fri**	**Sat**
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

Alison underlined her birthday on the calendar.
Her birthday party is 2 days later.
What is the date of her birthday party?

(1) 3 August 2017 (2) 15 August 2017
(3) 19 August 2017 (4) 31 August 2017

19. The sum of two numbers is
The greater number is 3478.
What is the difference between the two numbers?

(1) 1379 (2) 2099
(3) 6236 (4) 8335

20. A factory produced 216 blouses on Monday
The number of blouses produced on Tuesday was the number of blouses produced on Monday.
How many blouses did the factory produce on both days

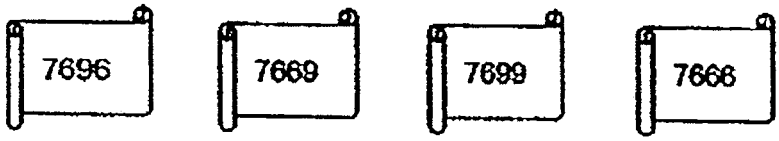
(1) 54 (2) 648
(3) 864 (4) 1080

Section B

Questions 21 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.

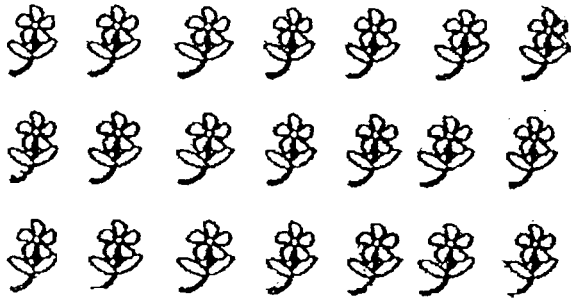
(Total: 40 marks)

21. Arrange the numbers below from the smallest to the greatest.

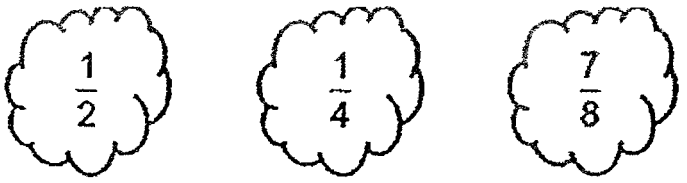


Answer: _____, _____, _____

22. There are 21 flowers. Circle them to show groups of 7.



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



Answer: _____, _____, _____

24. What is the missing number?

$$\frac{2}{3} = \frac{8}{\boxed{?}}$$

Answer: _____

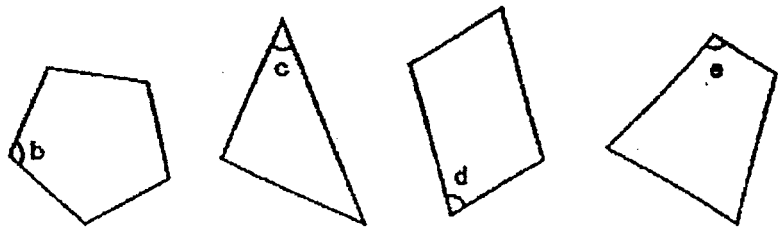
25. Convert 5 / 32 ml into millilitres.

Answer: _____ ml

26. Write 228 minutes in hours and minutes.

Answer : _____h _____min

27. Look at the given angles b, c, d, e and answer the following questions.



(a) Which angles are acute angles?

Answer: Angle _____and Angle _____

(b) Which angles are obtuse angles?

Answer: Angle _____and Angle _____

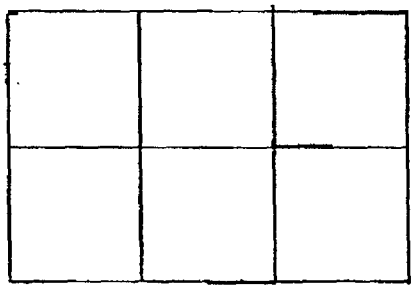
28. Edward walked 4200 steps on the first day. 4900 steps on the second day, 5600 steps on the third day 6300 steps on the fourth day and so on.
Given that the pattern continued, how many steps did he walk on the sixth day?

Answer: _____

29. Mrs Kingston baked 188 cupcakes.
She had 4 cupcakes for tea.
She then gave the remaining cupcakes equally to her 8 children.
How many cupcakes did each child get?

Answer : _____

30. Study the figure given below.



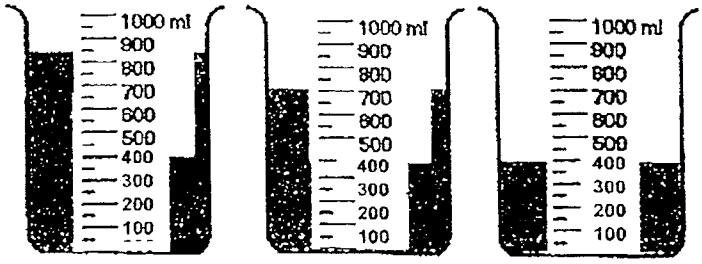
Shade $\frac{1}{4}$ of the figure.

31. A toy robot $37.50
Mdm Nurul wanted to buy 2 such toy robots.
The amount of money which she found in her purse is shown in the box below.

How much more money did she need to buy the 2 toy robots?

Answer : $_____

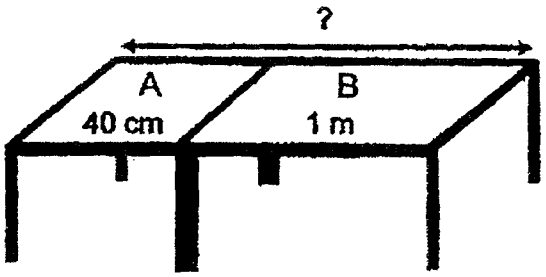
32. There are three beakers of water as shown below.



What is the of water in
Give your answer in

Answer : _____ litres_____millilitres .

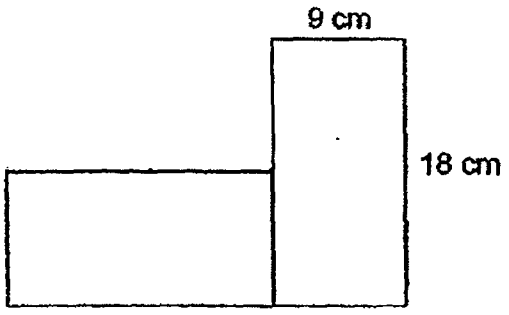
33. Mr Tan bought 2 tables as shown below.
The length of the Table A is 40 cm.
The length of Table B is 1 m.



What is the total length of the two tables when placed together side by side as shown above?
Write your answer in centimetres.

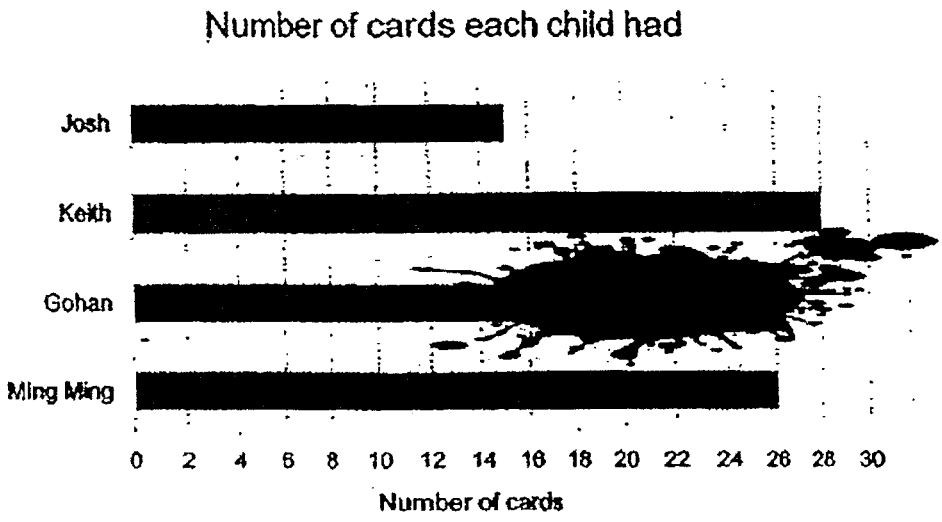
Answer : _____ cm

34. The figure below is made up of two identical rectangles.
Find the perimeter of the figure.



Answer : _____ cm

35. The bar graph below shows the number of cards each child had.
An ink blob covered the bar showing the number of cards Gohan had.
Keith and Gohan had 53 cards in all.



How many cards did Gohan have?

Answer : _____

36. Hassan had some pots in his shop.
He bought another 4293 pots on Saturday.
He sold 2148 pots on Sunday and was left with 4645 pots.
How many pots did he have at first?

Answer: _____

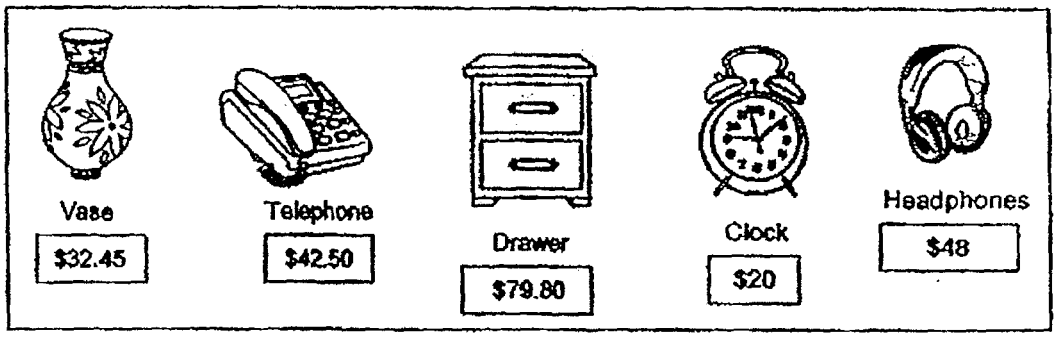
37. Aloysius had 128 eggs.
He put 6 eggs into each tray.
How many more eggs were needed to make up one more tray of 6 eggs?

Answer : _____

38. Amos and Balakrishnan had a total of 612 stickers.
They had the same number of stickers.
Amos put his stickers equally into 9 boxes.
How many stickers were there in each box?

Answer : _____

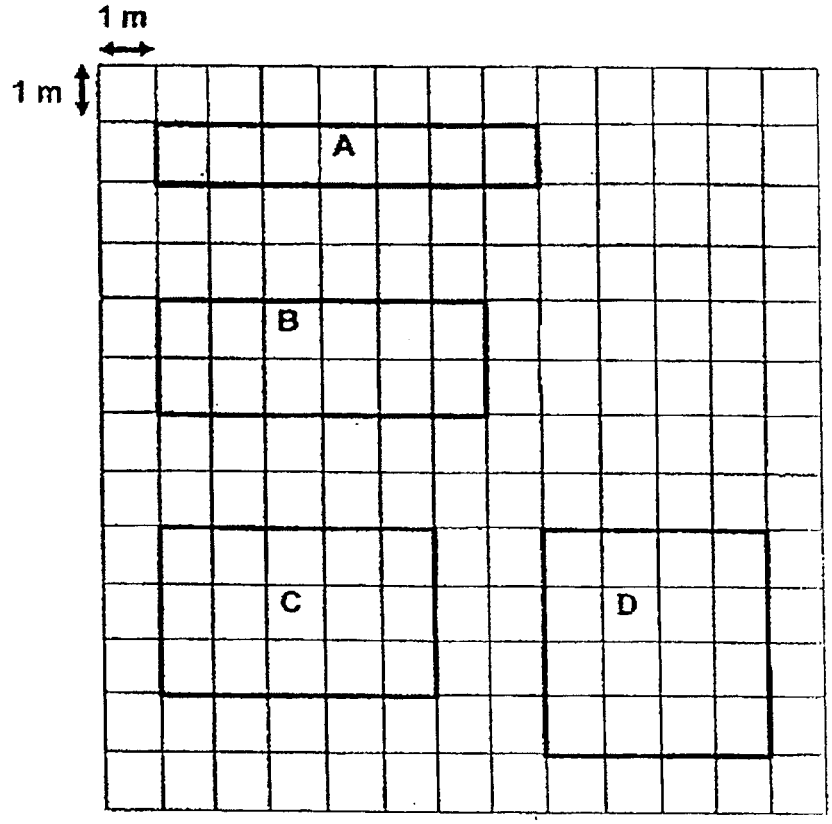
39. Mike had $100 to buy 3 of the items shown below.
The prices of the items are shown below.



After buying the vase, which two different items could he buy?

Answer : _____ and _____

40 Mr Tan built an enclosure for his little ducklings.
He used 16m of fencing to build the enclosure.
The enclosure he built had the greates area.
Which enclosure did Mr Tan build?



Answer : _____

Section C

Questions 41 to 45 carry 4 marks each. Do these word problems carefully. Show your working clearly in the space provided below each question and write your answers in the spaces provided.

(Total: 20 marks)

41. Bobby had 346 red buttons.
He had 8 times as many blue buttons as red buttons.

(a) How many blue buttons did he have?

(b) Bobby used 209 red buttons for an Art project.
How many red buttons were left?

42. Halim has 2 jugs of fruit punch.
Jug A contains 1830 ml of fruit punch.
Jug B contains 1780 ml of fruit punch.

(a) How much more millilitres of fruit punch does Jug A contain than Jug B?

(b) How much fruit punch must Halim pour Jug A into Jug B so that both jugs have an equal amount of fruit punch?

43. Mr Tan, Mrs Wong and Mr Seet took part in a cycling competition.
The three of them started racing at 6.20 a m.
Mr Tan completed the race in 1 h 6 min .
Mrs Wong completed the race 12 min earlier than him.

(a) At what time did Mrs Wong complete the race?

(b) The total time Mr Tan and Mr Seet took to complete the race was 123 min.
How long did Mr seet take to complete the race?

44. Dushen has 10 tokens that add up to 440 points.
Some of them are 50 point token and the fest are 20 point token.

(a) How many 20-point tokens does he have?

(b) Dushen wants to exchange for a water bottle that
points.
How many more points does he need to exchange for it ?

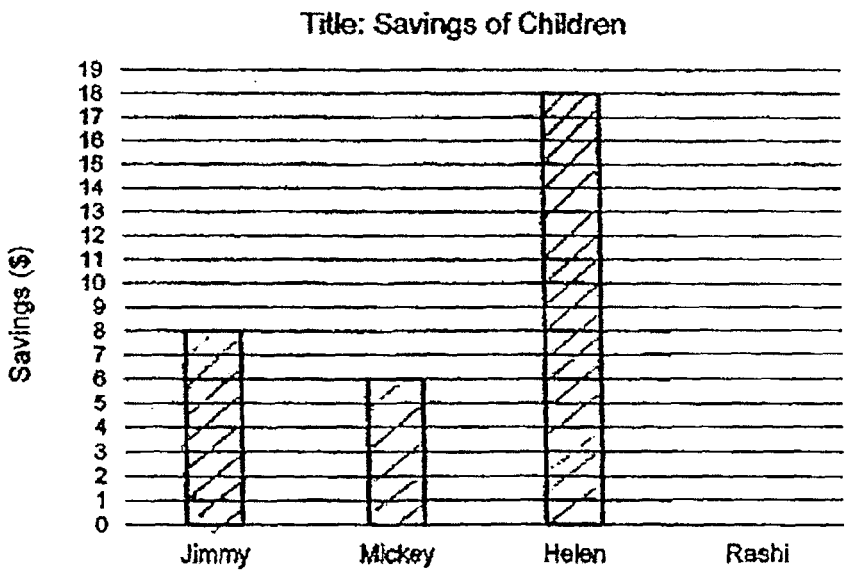
45. The picture graph below shows the savings of 4 children.
The data in the picture graph is used to create the bar graph below.

Jimmy	💰 💰 💰 💰
Mickey	💰 💰 💰
Helen	💰 💰 💰 💰 💰 💰 💰 💰 💰
Rashi	💰 💰 💰 💰 💰 💰
Each 💰 represents (?)	

(a) Using the information from the bar graph below, how much does each 💰 represent?

(b) Who has twice as much money as Mickey?

(c) The bar graph created below is incomplete.
Complete the bar graph by drawing the bar to show Rashi's savings.



End of Paper
Please Check Carefully

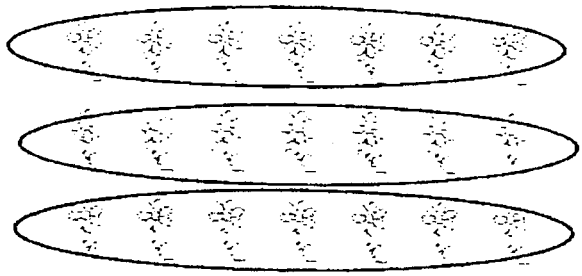
SCHOOL : NANYANG PRIMARY SCHOOL
LEVEL : PRIMARY 3
SUBJECT : MATH
TERM : 2017 SA2

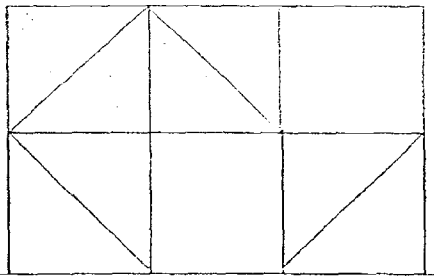
SECTION A

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

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

SECTION B

Q21)	7666, 7669, 7696, 7666
Q22)	
Q23)	7/8, ½, ¼
Q24)	12
Q25)	5032
Q26)	3 h 48 min
Q27)	(a) C, D (b) b, e
Q28)	7700
Q29)	188 – 4 = 184 184 ÷ 8 = 23

Q30)	
Q31)	$37.50 + $37.50 = $75 $75 - $30.30 = **$44.70**
Q32)	850ml + 700ml + 400ml = 1950ml = **1 litre 950 ml**
Q33)	1m = 100 cm 100 cm + 40 cm = **140 cm**
Q34)	18 cm + 9cm = 27cm 27 cm + 27 cm + 18cm + 18cm = **90 cm**
Q35)	53 – 28 = **25**
Q36)	4645 + 2148 = 6793 6793 – 4293 = **2500**
Q37)	128 ÷ 6 = 21 R 2 6 – 2 = **4**
Q38)	612 ÷ 2 = 306 306 ÷ 9 = **34**
Q39)	$100 - $32.45 = $67.55 $42.50 + $20 = $62.50 **Telephone and clock**
Q40)	**D**

SECTION C

Q41)

(a) 1 unit → 346

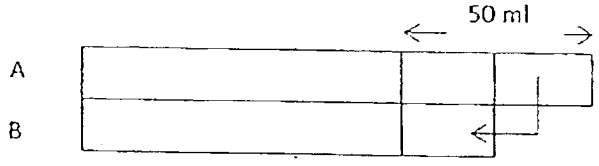
8 units → 346 x 8 = **2768**

(b) Left → 347 – 209 = **137**

Q42)

(a) Difference → 1830 ml – 1780 ml = **50 ml**

(b)



50 ml ÷ 2 = **25 ml**

Q43)

(a) 66 min – 12 min = 54 min

He finished at **7.14 am**.

(b) 123 min – 66 min = **57 min**

Q44)

(a)

No. of 20-points token	No. of 50-points token	Total No. of Token	Total No. of Points (20-point token)	Total No. of Points (20-point token)	Total No. of Points	Check
5	5	10	5 x 20 = 100	50 x 5 = 250	250 + 100 = 350	X
4	6	10	4 x 20 = 80	50 x 6 = 300	300 + 80 = 380	X
2	8	10	2 x 20 = 40	8 x 50 = 400	400 + 40 = 440	√

(b) More Points needed to redeem a water bottle → 2000 – 440 = **1560**

Q45)

(a) 8 ÷ 4 = **2**

(b) Rashi

(c) {Draw the bar chart up to the point 12}