



**MARIS STELLA HIGH SCHOOL (PRIMARY)**

**MID-YEAR EXAMINATION**

**PRIMARY 4 MATHEMATICS**

**10 MAY 2022**

**BOOKLET A**

20 questions

40 marks

Total time for Booklets A and B: 1 h 45 min

**NAME :** \_\_\_\_\_ (      )

**CLASS : PRIMARY 4** \_\_\_\_\_

**DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.**

**FOLLOW ALL INSTRUCTIONS CAREFULLY.**

**ANSWER ALL QUESTIONS.**

**Section A (20 x 2 = 40 marks)**

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.

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1. 55 thousands and 8 tens is the same as \_\_\_\_\_.  
  - (1) 55 008
  - (2) 55 080
  - (3) 55 800
  - (4) 55 880
  
2. 59 550 is \_\_\_\_\_ when rounded to the nearest thousand.  
  - (1) 59 000
  - (2) 59 500
  - (3) 59 600
  - (4) 60 000
  
3. What is 20 tens less than 59 123?  
  - (1) 39 123
  - (2) 57 123
  - (3) 58 923
  - (4) 59 103

4. 3 is a factor of \_\_\_\_\_.

- (1) 13
- (2) 29
- (3) 45
- (4) 76

5. Arrange the following numbers from the greatest to the smallest.

64 833, 46 833, 64 383, 46 338

(greatest)

(smallest)

- (1) 46 338, 46 833, 64 383, 64 833
- (2) 46 833, 46 338, 64 833, 64 383
- (3) 64 383, 64 833, 46 833, 46 338
- (4) 64 833, 64 383, 46 833, 46 338

6. Which of the numbers below is divisible exactly by 5?

- (1) 8246
- (2) 5442
- (3) 3680
- (4) 1379

7. Which of the following numbers is a common multiple of 4 and 8?

- (1) 36
- (2) 16
- (3) 12
- (4) 4

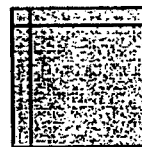
8. Meili had 6000 g of rice. She used 1120 g of rice and packed the rest of the rice equally into 5 bags. She had 30 g of rice left unpacked. How much rice did she pack in each bag?

- (1) 970 g
- (2) 976 g
- (3) 982 g
- (4) 1006 g

9. At a birthday party, every 6<sup>th</sup> child who arrives gets a party hat and every 9<sup>th</sup> child who arrives gets a balloon. What is the position of the first child who will get both a party hat and a balloon?

- (1) 18
- (2) 36
- (3) 54
- (4) 72

10. Which of the following figures are symmetric?

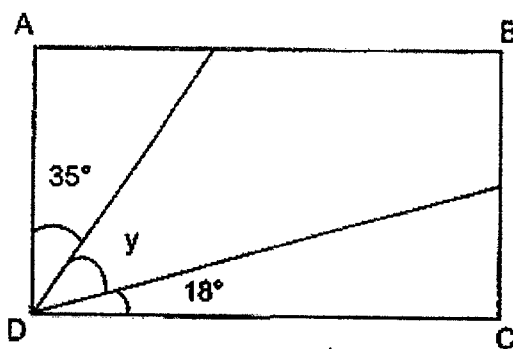
**A****B****C****D**

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

11. Nancy needed 434 magnets. The magnets were sold in packets of 8. Each packet cost \$2 each. What was the least amount of money Nancy needed to pay for the magnets?

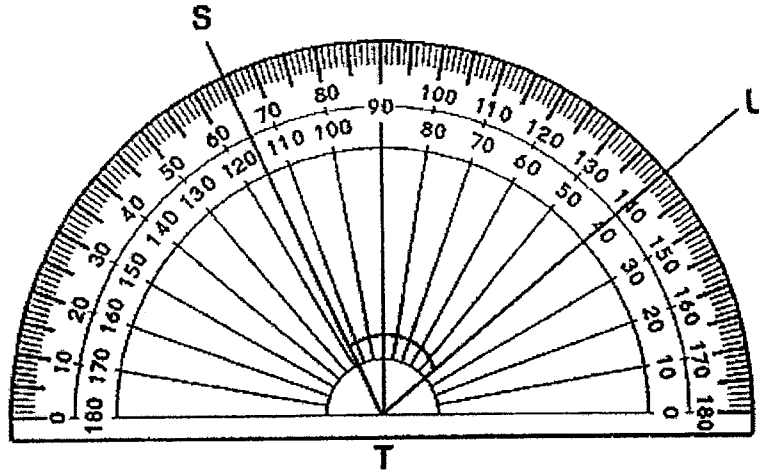
- (1) \$54
- (2) \$55
- (3) \$108
- (4) \$110

12. In the figure below, ABCD is a rectangle. Find  $\angle y$ .



- (1)  $37^\circ$
- (2)  $53^\circ$
- (3)  $55^\circ$
- (4)  $72^\circ$

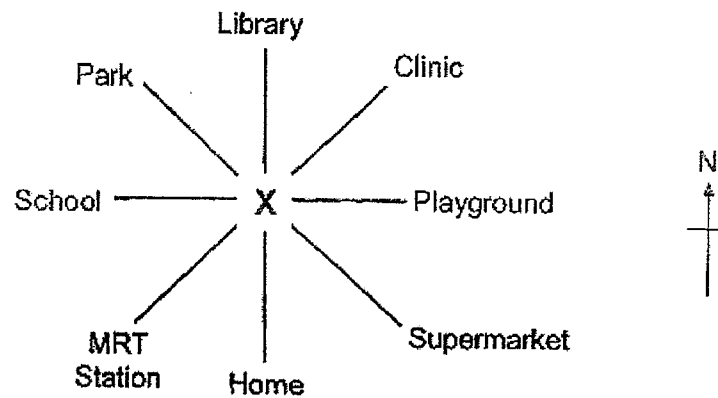
13. What is the size of  $\angle STU$ ?



- (1)  $25^\circ$   
 (2)  $40^\circ$   
 (3)  $65^\circ$   
 (4)  $75^\circ$
14. A baker had 64 trays of eggs. There were 15 eggs in each tray. He used a total of 56 eggs. How many eggs did he have left?

- (1) 120  
 (2) 328  
 (3) 904  
 (4) 960

Study the figure below and answer questions 15 and 16.



15. Ahmad is standing at X. If he turns through an angle of  $135^\circ$  in a clockwise direction, he will be facing west. Where is he facing now?

- (1) MRT Station
- (2) Supermarket
- (3) Park
- (4) Clinic

16. Ming Hua is standing at X, facing north. He makes a  $\frac{1}{4}$ -turn in an anti-clockwise direction. He is now facing the \_\_\_\_\_.

- (1) playground
- (2) school
- (3) clinic
- (4) park

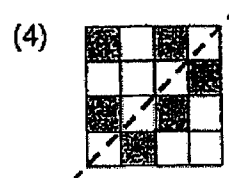
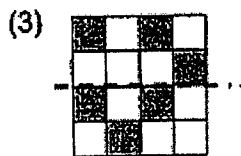
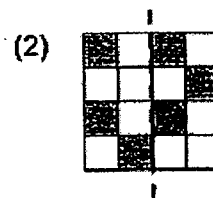
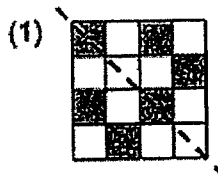
17. Look at the letters below. How many of these letters are symmetrical?

# M A R I S T

- (1) 6  
 (2) 5  
 (3) 3  
 (4) 4
18. Mr Lim spent a total of \$300 on 1 shirt and 2 pairs of pants. 1 shirt cost \$30 less than 1 pair of pants. How much did 1 shirt cost?

- (1) \$80  
 (2) \$90  
 (3) \$100  
 (4) \$110

19. Which of the dotted lines is the correct line of symmetry?





20. Study the pattern below carefully.  
In which figure will there be 22 shaded squares?

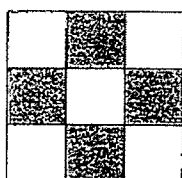
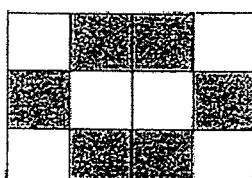


Figure 1



**Figure 2**

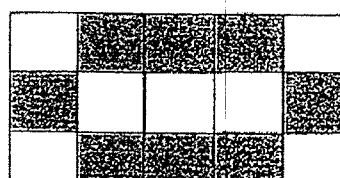


Figure 3

Figure	Shaded squares
1	4
2	6
3	8
?	22

- (1) 9  
(2) 10  
(3) 11  
(4) 12

**End of Booklet A**  
**Go on to Booklet B**

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MARIS STELLA HIGH SCHOOL (PRIMARY)

MID-YEAR EXAMINATION

PRIMARY 4 MATHEMATICS

10 MAY 2022

BOOKLET B

25 questions

60 marks

Total time for Booklets A and B: 1 h 45 min

NAME : \_\_\_\_\_ (      )

CLASS : PRIMARY 4 \_\_\_\_\_

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.

FOLLOW ALL INSTRUCTIONS CAREFULLY:

ANSWER ALL QUESTIONS.

**MARKS OBTAINED :**

BOOKLET A: \_\_\_\_\_ / 40

BOOKLET B: \_\_\_\_\_ / 60

TOTAL : \_\_\_\_\_ / 100

Parent's Signature: \_\_\_\_\_

**Section B (20 x 2 = 40 marks)**

Show your working clearly in the spaces below each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

21. Write 83 049 in words.

Answer: \_\_\_\_\_

Do not  
write in  
this  
space.

22. 1 is a common factor of 12 and 20. What are the other 2 common factors of 12 and 20?

Answer: \_\_\_\_\_ and \_\_\_\_\_

23. Using all the digits below, form the greatest 5-digit odd number.  
Do not start with "0".

7 8 4 5 0

Answer: \_\_\_\_\_

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24. What is the missing number in the number pattern?

23 500, 22 250, 21 000, 19 750, \_\_\_\_\_, 17 250

Answer: \_\_\_\_\_

Do not  
write in  
this  
space.

25. A 5-digit number, when rounded to the nearest hundreds, is 90 100.  
What is the greatest possible value of this 5-digit number?

Answer: \_\_\_\_\_

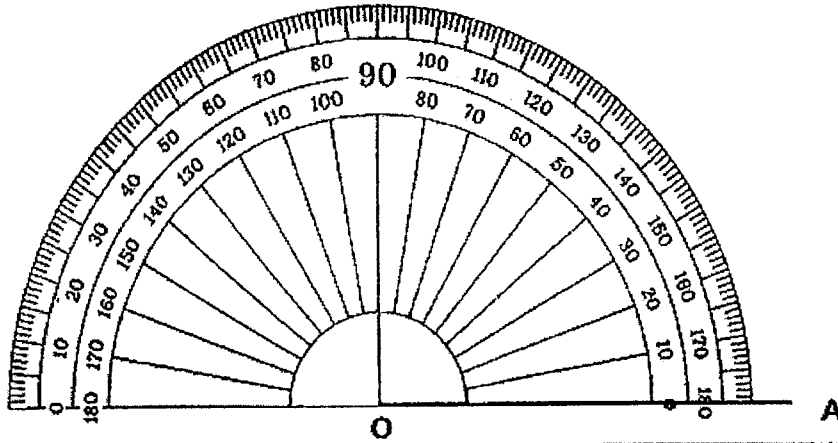
26. The difference between the 1st multiple of a 1-digit number and its 3rd  
multiple is 12. Find the 1-digit number.

Answer: \_\_\_\_\_

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27. Using the protractor below, draw an angle of  $138^\circ$  with the given line AO.

Do not  
write in  
this  
space.



28. An adult's concert ticket and a child's concert ticket cost \$164 in total. The adult's ticket is three times the cost of the child's ticket. What is the cost of the child's ticket?

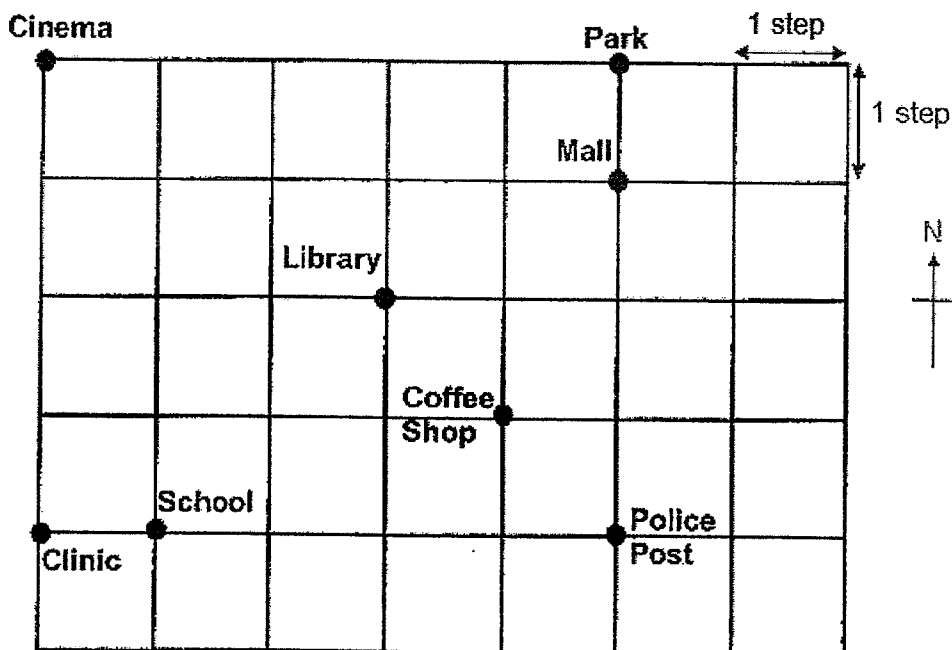
Answer: \$ \_\_\_\_\_

29. \$3548 was collected to buy some books. Each book cost \$8. What was the greatest number of books that could be bought with \$3548?

Answer: \_\_\_\_\_

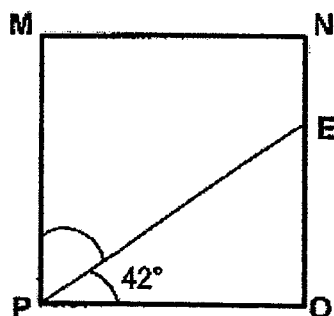
30. Lucas is standing at the library.  
He walks 3 steps to the east and 2 steps to the south.  
Then, he walks 5 steps to the west.  
Where is he now?

Do not  
write in  
this  
space.



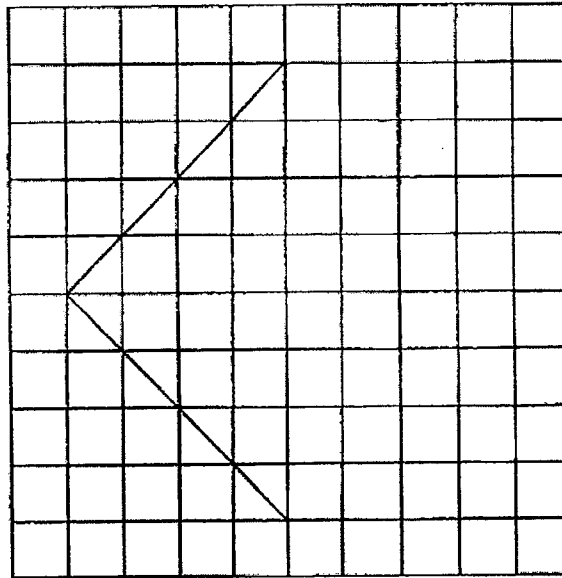
Answer: \_\_\_\_\_

31. MNOP is a square. PE is a straight line. Find  $\angle EPM$ .



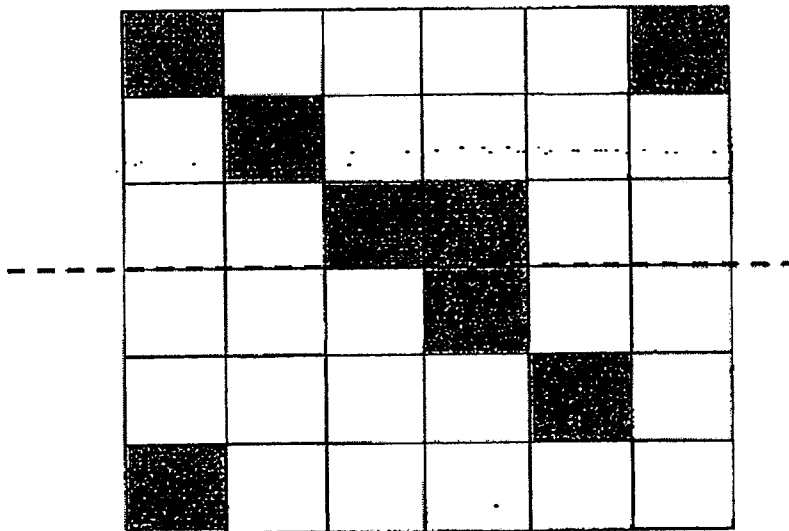
Answer: \_\_\_\_\_

32. Draw 2 lines to complete the square in the grid below.



Do not  
write in  
this  
space.

33. The dotted line is a line of symmetry for the figure below.  
Shade 4 squares to complete the symmetric figure.





34. Alfred, Bala and Chandu shared 457 beads.

Alfred had 20 fewer beads than Bala. Chandu had 50 more beads than Alfred. How many beads did Alfred have?

Do not  
write in  
this  
space.

Answer: \_\_\_\_\_

35. Linus bought 40 toy cars and toy motorcycles altogether.

There were a total of 124 wheels. How many toy cars did he buy?

Answer: \_\_\_\_\_

36. At a sale, for every 2 teddy bears bought, customers will get 1 free teddy bear. Ming needs 48 teddy bears. How much does he have to pay in total for 48 teddy bears?



1 teddy bear for \$4  
Buy 2 get 1 free

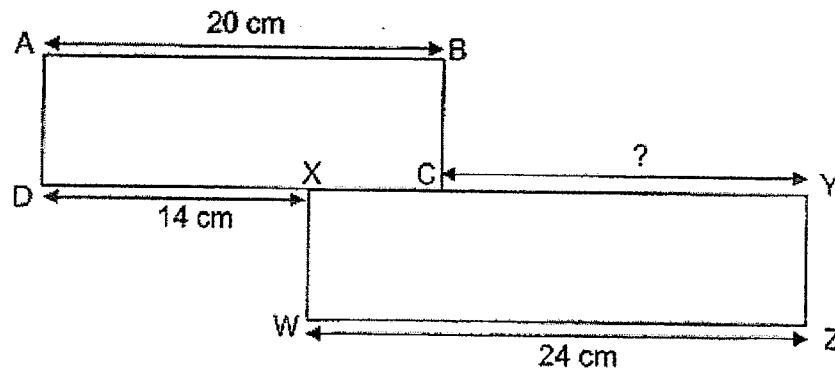
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write in  
this  
space.

Answer: \$ \_\_\_\_\_

37. Rhys and Maya had a total of 8469 stamps. After Rhys gave Maya 210 stamps, Rhys had 8 times as many stamps as Maya. How many stamps did Maya have at first?

Answer: \_\_\_\_\_

38. The figure below is made up of rectangles ABCD and XYZW. Find the length of CY.



Do not  
write in  
this  
space.

Answer: \_\_\_\_\_ cm

39. Renee has some beads. If she gives 7 beads to each of her friends, she will be short of 2 beads. If she gives 9 beads to each of her friends, she will be short of 5 beads. What is the smallest possible number of beads Renee have?

Answer: \_\_\_\_\_

40. Mrs Tan gave 4 pencils and 1 ruler to each student in her class.  
She gave out 96 more pencils than rulers.  
How many students are there in her class?

Do not  
write in  
this  
space.

Answer: \_\_\_\_\_

**Section C (5 x 4 = 20 marks)**

Show your working clearly in the space provided for each question and write your answers in the blanks provided.

41. There were 3750 people at a zoo.  
2050 were adults and the rest were children.  
There were 300 more girls than boys.

(a) How many children were there?

Answer: (a) \_\_\_\_\_ [1]

(b) How many boys were there?

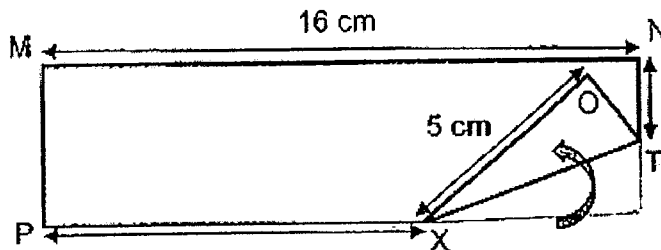
Answer: (b) \_\_\_\_\_ [3]

Do not  
write in  
this  
space.

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42. A corner of a rectangular piece of paper MNOP is folded as shown below.

Do not  
write in  
this  
space.



- (a) How long is the line PX?

Answer: (a) \_\_\_\_\_ [2]

- (b) The length of the rectangular paper is 4 times its breadth.  
NT is equal to OT. How long is the line NT?

Answer: (b) \_\_\_\_\_ [2]

43. There are 1827 cubes in Box A.  
Box B contains twice as many cubes as Box A.  
Box C contains 998 fewer cubes than Box B.  
How many cubes are there in all the 3 boxes?

Do not  
write in  
this  
space.

Answer: \_\_\_\_\_ [4]

44. 2 similar cupboards and 4 similar tables cost \$6096.  
1 similar cupboard and 1 similar table cost \$2286.  
What is the cost of 1 table?

Do not  
write in  
this  
space.

Answer: \_\_\_\_\_ [4]



45. Jia Hao paid \$138 in total for some burgers and drinks.  
Each burger cost \$6 and each drink cost \$2.  
He bought 3 more burgers than drinks.  
How many burgers did he buy?

Do not  
write in  
this  
space.

Answer: \_\_\_\_\_ [4]

*End of Paper*

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SCHOOL : MARIS STELLA PRIMARY SCHOOL  
 LEVEL : PRIMARY 4  
 SUBJECT : MATH  
 TERM : 2022 SA1

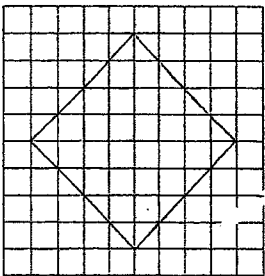
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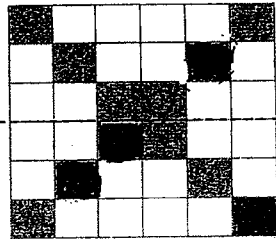
**BOOKLET A**

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

Q 11	Q12	Q13	Q14	Q15	Q 16	Q17	Q18	Q19	Q20
4	1	4	3	2	2	4	1	1	2

**BOOKLET B**

Q21)	Eighty-three thousand and forty-nine
Q22)	2 and 4
Q23)	87405
Q24)	18500
Q25)	90149
Q26)	6
Q27)	$138^{\circ}$
Q28)	\$41
Q29)	443
Q30)	School
Q31)	$48^{\circ}$
Q32)	

Q33)	
Q34)	$50 + 20 = 70$ $457 - 70 = 387$ $387 \div 3 = 129$
Q35)	$22 \times 4 = 88$ $18 \times 2 = 36$ $88 + 36 = 124$ Therefore, he bought <b>22</b> toy cars
Q36)	$48 \div 3 = 16$ $16 \times 8 = \$128$
Q37)	$8469 \div 9 = 941$ $941 - 210 = 731$
Q38)	$20 - 14 = 6$ $24 - 6 = 18 \text{ cm}$
Q39)	$7 : 7, 14, 21, 28, 35, 42, 49, 54$ $-2 : 5, 12, 19, 26, 33, 40, 47, 52$ $9 : 9, 18, 27, 36, 45, 54$ $-5 : 4, 13, 22, 31, 40, 49$ <b>Answer : 40</b>
Q40)	$4 - 1 = 3$ $96 \div 3 = 32$

**PAPER 2**

Q41)	a) $3750 - 2050 = 1700$ b) $1700 - 300 = 1400$ $1400 \div 2 = 700$
Q42)	a) $16 - 5 = 11 \text{ cm}$ b) $16 \div 4 = 4$ $4 \div 2 = 2$ <b>Ans: 2 cm</b>

Q43)	$1827 \times 2 = 3654$ $3654 - 998 = 2656$ $3654 + 2656 = 6310$ $6310 + 1827 = \mathbf{8137 (Ans)}$ There are <b>8137 boxes</b> altogether
Q44)	$6096 - 2286 = 3810$ $3810 - 2286 = 1524$ $1524 \div 2 = 762$ <b>Ans: \$762</b>
Q45)	$138 - (6 \times 3) = 120$ $120 \div (6 + 2) = 15$ $15 + 3 = 18$ He bought <b>18 burgers</b>

8

4

1. The first part of the document is a list of the names of the persons who were present at the meeting.

2.

3.

4.