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 _____

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FOLLOW ALL INSTRUCTIONS CAREFULLY.

ANSWER ALL QUESTIONS.

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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.

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

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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

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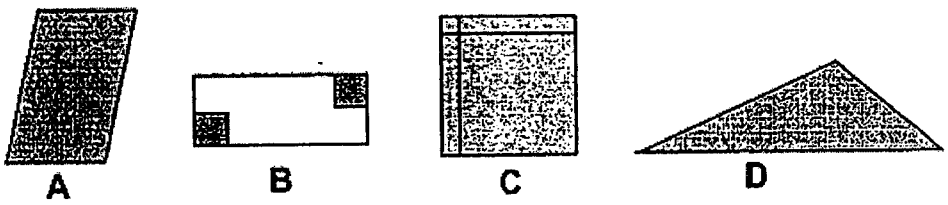
8. Meili had 6000 g of rice. She used 1120 g of rice and packed the rest of the rice equally into 5 bags. She had 30 g of rice left unpacked. How much rice did she pack in each bag?

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

9. At a birthday party, every 6th child who arrives gets a party hat and every 9th 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?



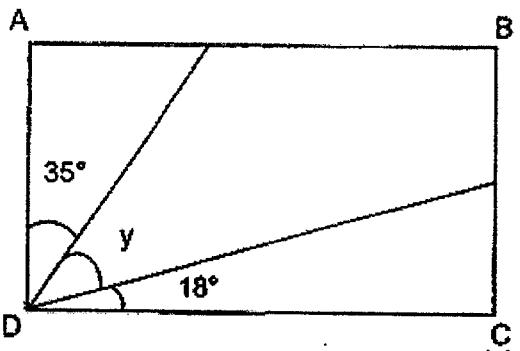
(1) A
(2) B
(3) C
(4) D

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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

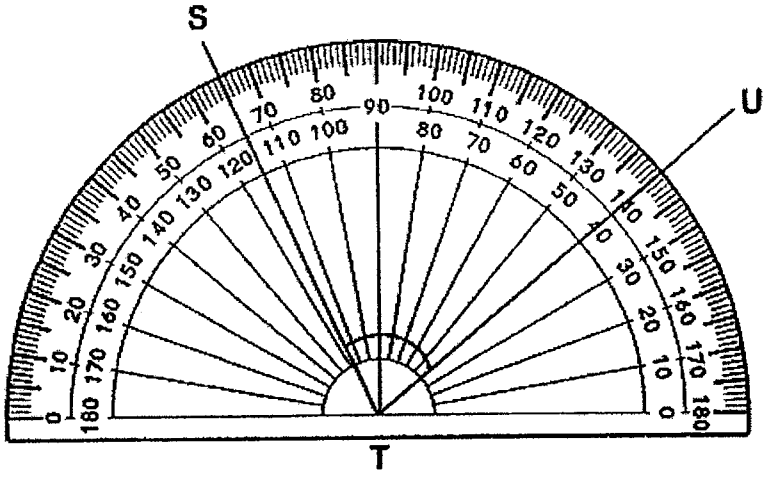
12. In the figure below, ABCD is a rectangle. Find ∠y.



(1) 37°
(2) 53°
(3) 55°
(4) 72°

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13. What is the size of ∠STU?



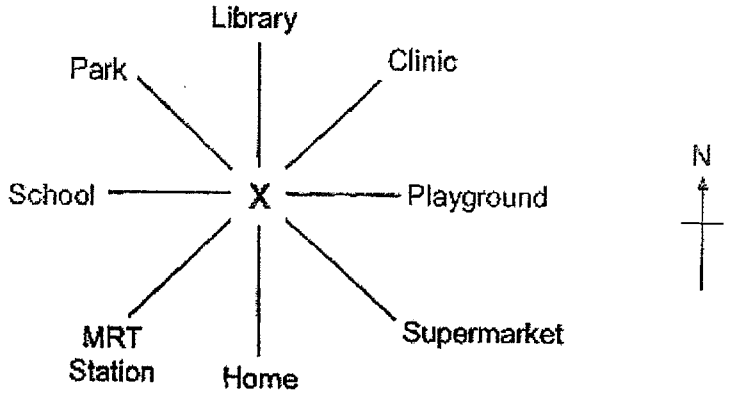
(1) 25°
(2) 40°
(3) 65°
(4) 75°

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

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Study the figure below and answer questions 15 and 16.



15. Ahmad is standing at X. If he turns through an angle of 135° 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

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

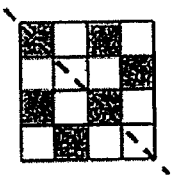
M A R I S T

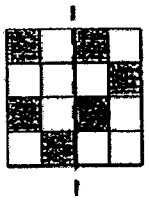
(1) 6
(2) 5
(3) 3
(4) 4

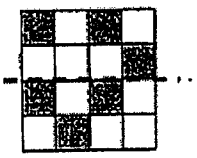
18. Mr Lim spent a total of $300 on 1 shirt and 2 pairs of pants. 1 shirt cost $30 less than 1 pair of pants. How much did 1 shirt cost?

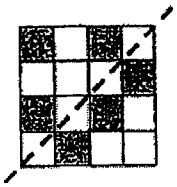
(1) $80
(2) $90
(3) $100
(4) $110

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

(1) 

(2) 

(3) 

(4) 

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20. Study the pattern below carefully.

In which figure will there be 22 shaded squares?

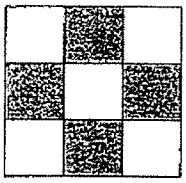


Figure 1

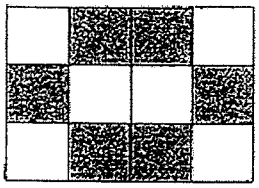


Figure 2

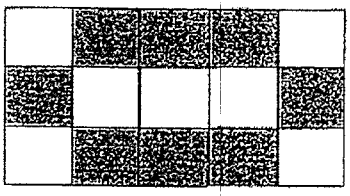


Figure 3

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: _____

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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.

Do not write in this space.

21. Write 83 049 in words.

Answer: _____

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: _____

SCORE

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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: _____

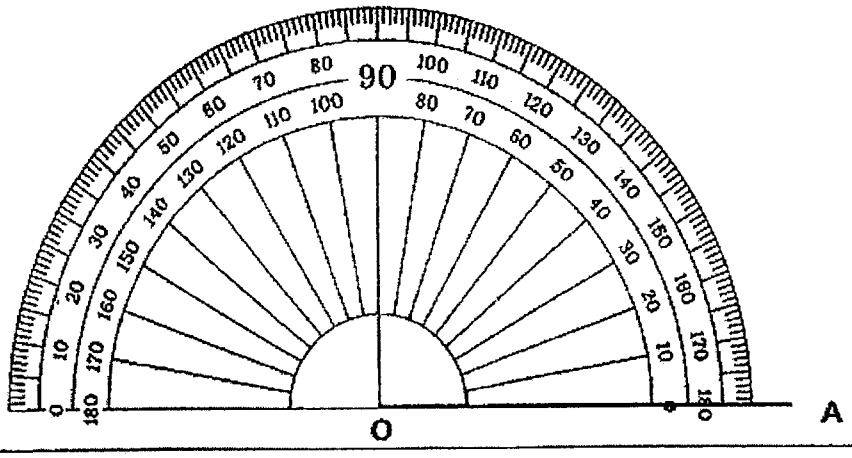
SCORE

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27. Using the protractor below, draw an angle of 138° 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: _____

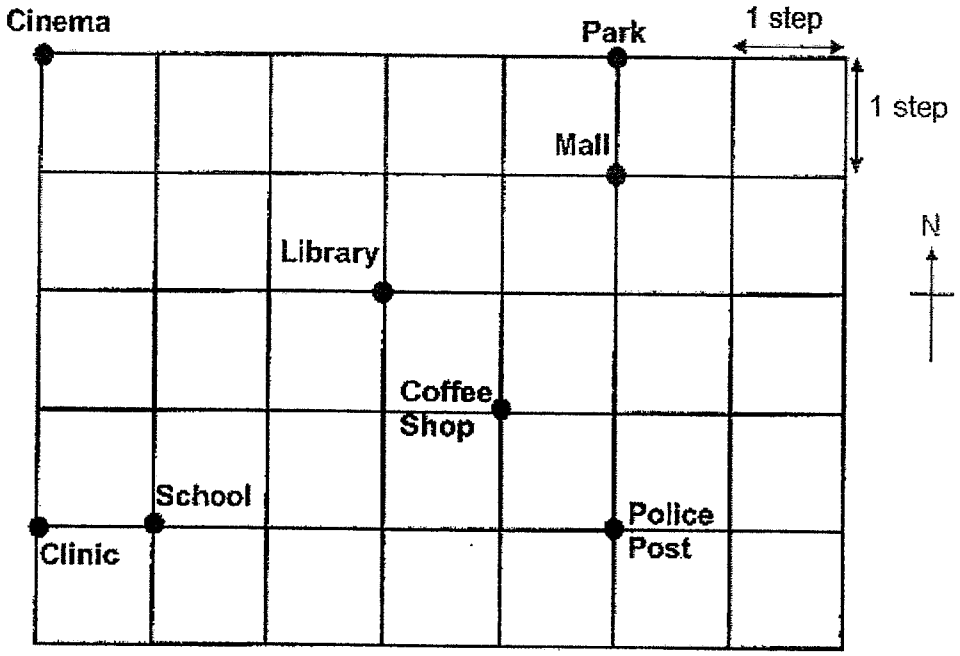
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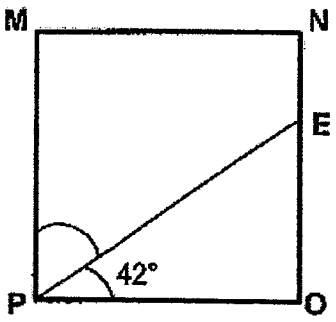
30. Lucas is standing at the library.
He walks 3 steps to the east and 2 steps to the south.
Then, he walks 5 steps to the west.
Where is he now?

Do not write in this space.



Answer: _____

31. MNOP is a square. PE is a straight line. Find ∠EPM.



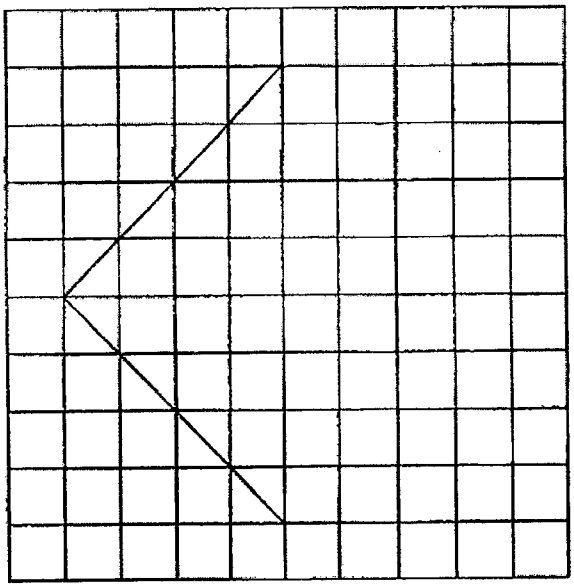
Answer: _____ °

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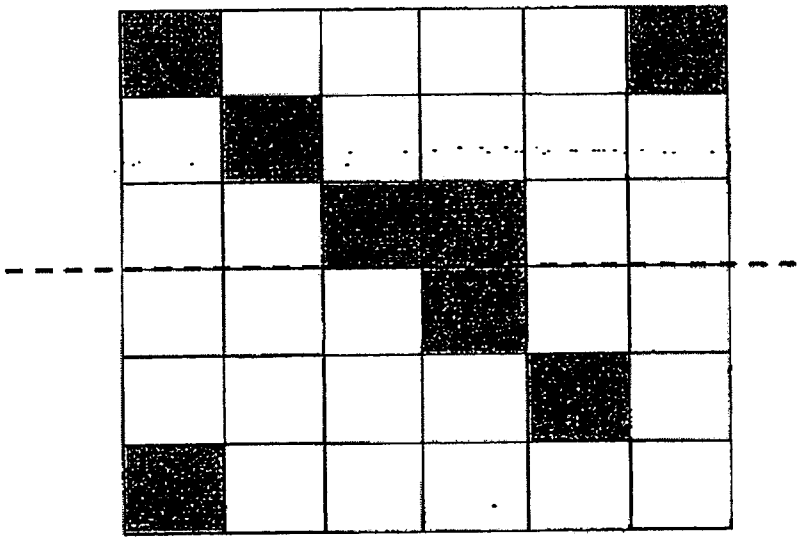
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32. Draw 2 lines to complete the square in the grid below.

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.



SCORE

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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: _____

SCORE

(Go on to the next page)

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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?

Do not write in this space.



1 teddy bear for $4
Buy 2 get 1 free

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: _____

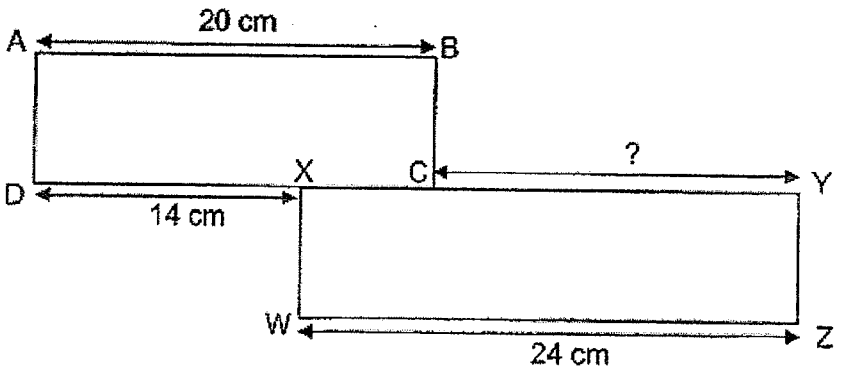
SCORE

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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: _____

SCORE
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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: _____

SCORE

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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.

Do not write in this space.

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]

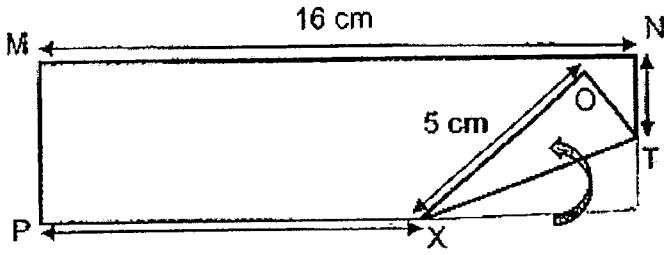
SCORE

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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]

SCORE

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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]

SCORE

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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]

SCORE

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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

SCORE
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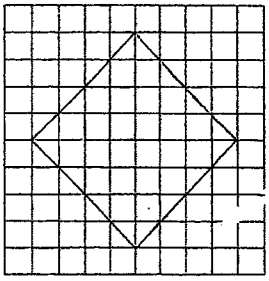
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LEVEL : PRIMARY 4
SUBJECT : MATH
TERM : 2022 SA1

BOOKLET A

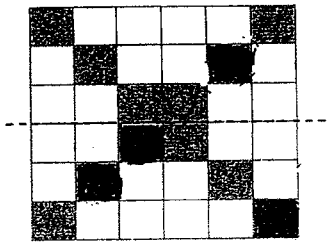
Q 1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
2	4	3	3	4	3	2	1	1	3

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^{o}
Q28)	$41
Q29)	443
Q30)	School
Q31)	48^{o}
Q32)	

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Q33)	
Q34)	50 + 20 = 70 457 – 70 = 387 387 ÷ 3 = **129**
Q35)	22 x 4 = 88 18 x 2 = 36 88 + 36 = 124 Therefore, he bought **22** toy cars
Q36)	48 ÷ 3 = 16 16 x 8 = **$128**
Q37)	8469 ÷ 9 = 941 941 – 210 = **731**
Q38)	20 – 14 = 6 24 – 6 = **18 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 **Answer : 40**
Q40)	4 – 1 = 3 96 ÷ 3 = **32**

PAPER 2

Q41)	a) 3750 – 2050 = **1700** b) 1700 – 300 = 1400 1400 ÷ 2 = **700**
Q42)	a)16 – 5 = 11cm b)16 ÷ 4 = 4 4 ÷ 2 = 2 **Ans: 2 cm**

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Q43)	1827 x 2 = 3654 3654 – 998 = 2656 3654 + 2656 = 6310 6310 + 1827 = **8137 (Ans)** There are **8137 boxes** altogether
Q44)	6096 – 2286 = 3810 3810 - 2286 = 1524 1524 ÷ 2 = 762 **Ans: $762**
Q45)	138 – (6 x 3) = 120 120 ÷ (6 + 2) = 15 15 + 3 = 18 He bought **18 burgers**

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