CATHOLIC HIGH SCHOOL

END-OF-YEAR EXAMINATION (2025)

PRIMARY FOUR

MATHEMATICS

Name : _____( )

Class : Primary 4_____

Date : 28 October 2025

Total time : 1 h 45 min

45 questions

100 marks

Parent's signature : _____

SECTION A	40
SECTION B	40
SECTION C	20
Total Marks	100

INSTRUCTIONS TO CANDIDATES

Do not turn over this page until you are told to do so.

Follow all instructions carefully.

Answer all questions.

Shade your answers in the Optical Answer Sheet (OAS) provided.

This booklet consists of 24 printed pages.

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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. All diagrams are not drawn to scale. (40 marks)

---

1. In the number 56 780, which digit is in the tens place?

(1) 5

(2) 6

(3) 7

(4) 8 ( )

---

2. In which of the following are the numbers arranged from the smallest to the greatest?

1053	1305	1035

	(smallest)		*(greatest)*
(1)	1053	1035	1305
(2)	1035	1053	1305
(3)	1305	1053	1035
(4)	1035	1305	1053

( )

---

3. Which of the following is a multiple of both 4 and 7?

(1) 11

(2) 24

(3) 56

(4) 63 ( )

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4. Which of the following mixed numbers is represented by A in the number line shown?



(1) $2\frac{1}{4}$

(2) $2\frac{3}{4}$

(3) $3\frac{1}{4}$

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

---

5. $10.76 \times 8 =$ _____

(1) 18.76

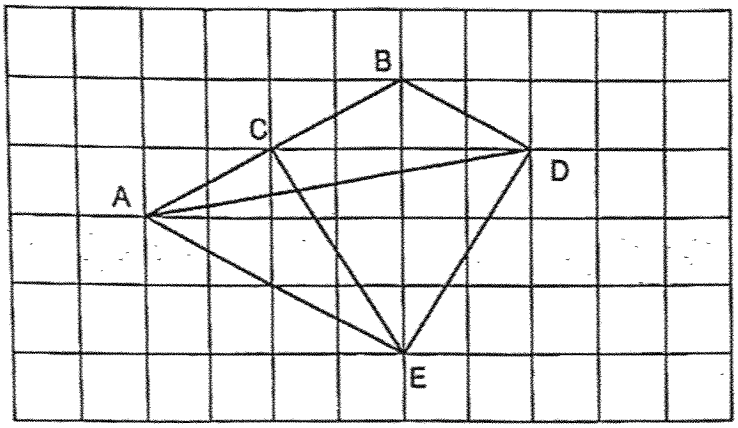
(2) 80.76

(3) 86.08

(4) 94.08 ( )

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6. In the square grid below, which line is parallel to AE?



(1) BD

(2) CE

(3) DA

(4) ED ( )

---

7. The number of pens in a shop is 4 times the number of rulers. There are 480 more pens than rulers in the shop. How many pens and rulers are there in the shop?

(1) 160

(2) 800

(3) 1920

(4) 2400 ( )

---

8. Timothy and Zachary bought 2350 stickers altogether. Timothy bought 80 stickers more than Zachary. How many stickers did Timothy buy?

(1) 1135

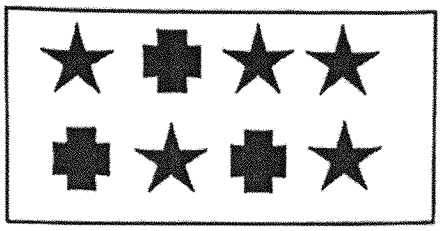
(2) 1215

(3) 2270

(4) 2430 ( )

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9. What fraction of the shapes in the box are ★ ?



(1) $\frac{3}{5}$

(2) $\frac{5}{3}$

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

(4) $\frac{5}{8}$ ( )

---

10. Mrs Tan bought 3 pizzas. She ate half of a pizza and gave $\frac{1}{4}$ of a pizza to her daughter. How much pizza had Mrs Tan left?

(1) $\frac{1}{4}$

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

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

(4) $2\frac{3}{4}$ ( )

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11. There are 126 sheep and cows in a farm altogether. $\frac{7}{9}$ of the animals are cows. How many sheep are there?

(1) 14
(2) 28
(3) 70
(4) 98 ( )

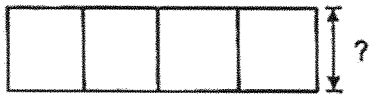
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12. The breadth of a rectangular piece of paper is 8 cm. Its perimeter is 96 cm. What is the length of the piece of paper?

(1) 12 cm
(2) 40 cm
(3) 80 cm
(4) 88 cm ( )

---

13. The figure below is made up of 4 identical squares, placed side by side. The area of the figure is 144 cm². What is the length of one such square?



(1) 6 cm
(2) 9 cm
(3) 24 cm
(4) 36 cm ( )

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14. Alice had more storybooks than Ben at first. After Alice gave 14 storybooks to Ben, she had 29 more storybooks than him. How many more storybooks did Alice have than Ben at first?

(1) 15

(2) 43

(3) 57

(4) 72 ( )

---

15. 1 ring file cost twice as much as 1 notepad. Danny paid $10.80 for 1 such ring file and 2 such notepads. Find the cost of 1 such notepad.

(1) $2.70

(2) $3.60

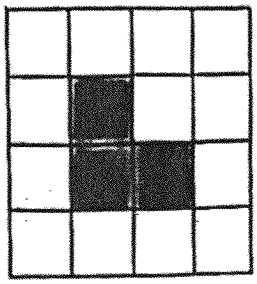
(3) $5.40

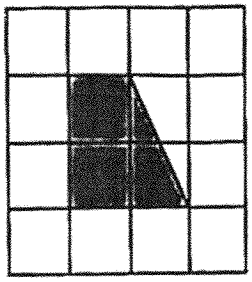
(4) $7.20 ( )

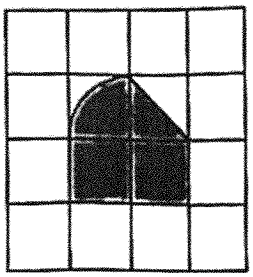
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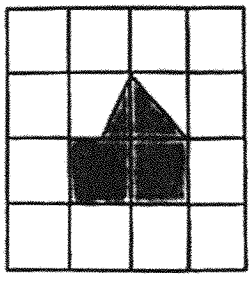
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16. The following figures are drawn in a square grid. Which of the following figures has a line of symmetry?

(1) 

(2) 

(3) 

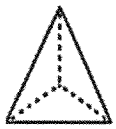
(4) 

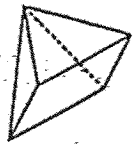
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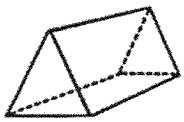
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17. Which of the following represents a prism?

(1) 

(2) 

(3) 

(4) 

( )

---

18. The table below shows the favourite snack of some boys and girls at a party. There was an equal number of boys and girls at the party. Each child chose only 1 favourite snack.

Snacks	Boys	Girls
Popcorn Chicken	20	12
Cake	6	15
Burger	?	7

How many boys liked burger?

(1) 7

(2) 8

(3) 34

(4) 68

( )

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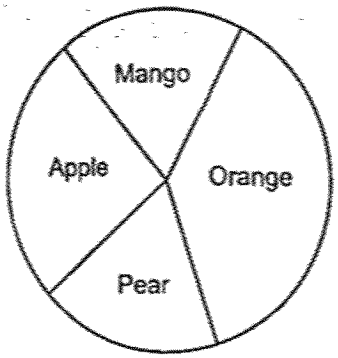
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19. The table shows the number of fruits sold at a shop in a week.

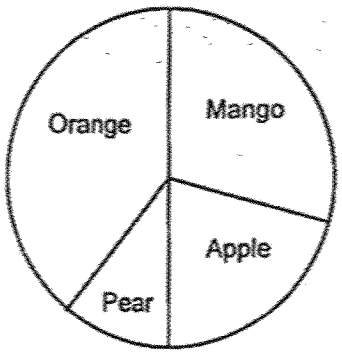
Fruit	Apple	Mango	Pear	Orange
Number	30	20	12	38

Which of the following pie charts best represents the table?

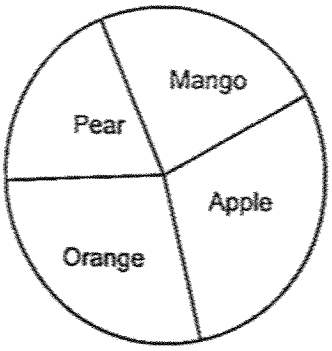
(1)



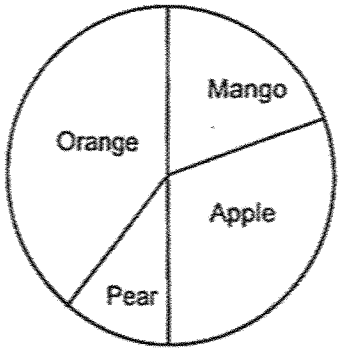
(2)



(3)



(4)

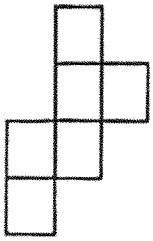


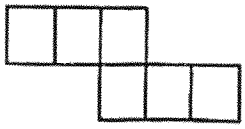
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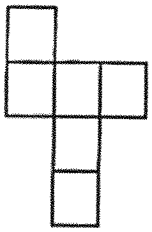
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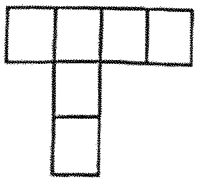
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20. Which of the following is not a net of a cube?

(1) 

(2) 

(3) 

(4) 

( )

END OF SECTION A

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Section B

Questions 21 to 40 carry 2 marks each. Show your working clearly and 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. (40 marks)

Do not write in this space

21. Write forty thousand and eleven in numerals.

Ans: _____

22. Write 8 thousandths as a decimal.

Ans: _____

23. What is the value of $\frac{4}{5} + \frac{9}{10}$?
Express your answer as a mixed number.

Ans: _____

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24. Express $\frac{3}{4}$ as a decimal.

Do not write in this space

Ans: _____

25. Write $3\frac{3}{7}$ as an improper fraction.

Ans: _____

26. Some factors of 32 are 1, 2, 8 and 32. What are the other two factors of 32?

Ans: _____ and _____

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27. Find the difference in value between 6.3 and 0.81.

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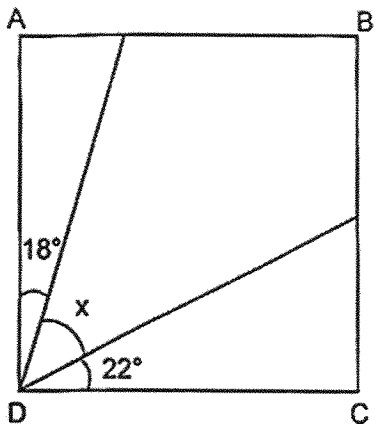
Ans: _____

28. Arrange these fractions in decreasing order.

$$\frac{1}{2} \cdot \frac{5}{6} \cdot \frac{5}{9}$$

Ans: _____, _____, _____

29. ABCD is a square. Find $\angle x$.



Ans. _____ °

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30. Write the missing number in the number pattern below.

2628, 2828, 2808, 3008, ____?____, 3188, 3168, 3368

Ans: _____

Do not write in this space

31. A number has 2 decimal places. It is 4.0 when rounded to the nearest tenth. What is the greatest possible value of that number?

Ans: _____

32. Joseph is 3 times as heavy as Alice. Alice weighs 35.5 kg. What is the total mass of Joseph and Alice?

Ans: _____kg

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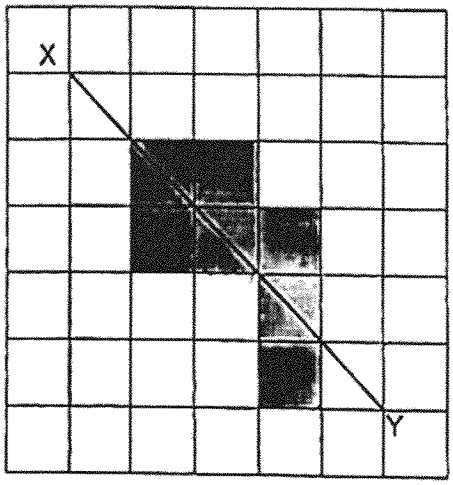
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33. Asher gave $7 to 4 children. Each child received an equal amount of money. How much money did each child receive?

Do not write in this space

Ans: $_____

34. The figure below is made up of identical squares. Line XY is the line of symmetry. Shade two more squares to make the figure symmetric.

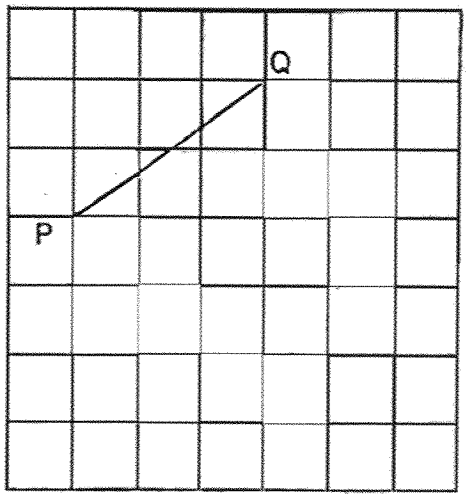


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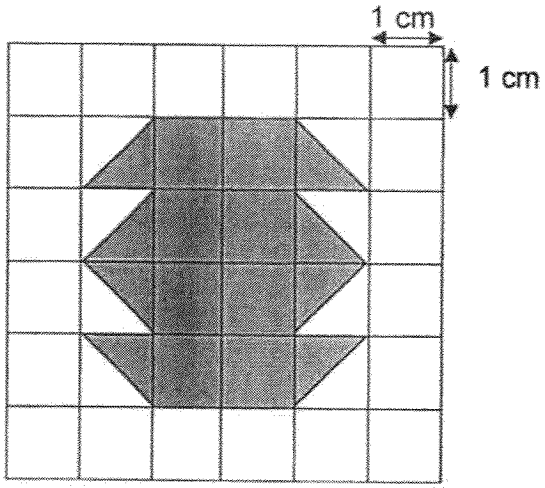
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35. PQ is one side of a square. Complete the square by drawing the other three sides in the square grid below.

Do not write in this space



36. Find the area of the shaded figure below.



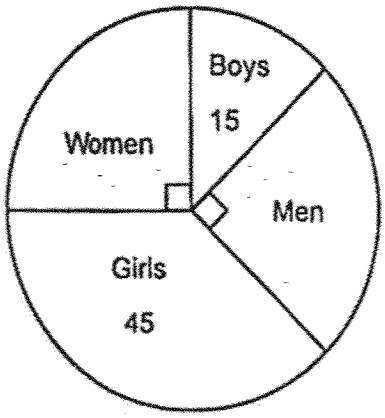
Ans: _____ cm²

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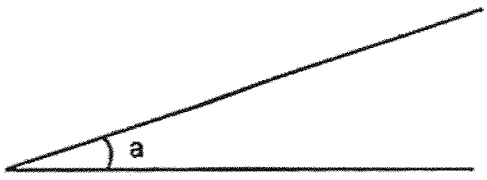
37. The pie chart shows the number of people who attended a food fair. Find the total number of people who attended the food fair.

Do not write in this space



Ans: _____

38. Measure and write down the size of ∠a.



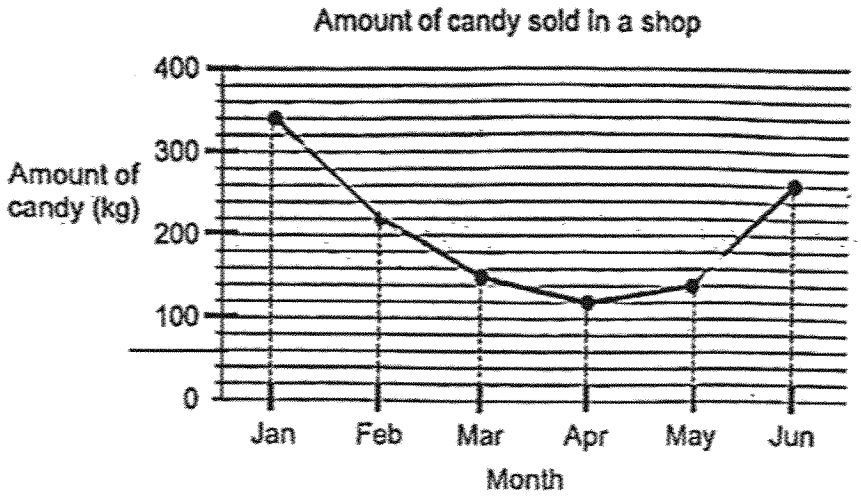
Ans: _____ °

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The line graph shows the amount of candy sold over 6 months in a shop. Use the information provided to answer questions 39 and 40.

Do not write in this space



39. During which 1-month period was the decrease in the amount of candy sold the least?

Ans: From_____ to _____

40. How much more candy did the shop sell in June than in February?

Ans: _____kg

Total marks for question 21 to 40

40

END OF SECTION B

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Section C

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For Questions 41 to 45, show your working clearly and write your answers in the spaces provided. The number of marks available is shown in brackets [ ] at the end of each question or part-question. All diagrams are not drawn to scale. (20 marks)

41. Linda, Mary and Nathan had a total of 264 stickers. Nathan had 24 more stickers than Mary. Linda had twice as many stickers as the total number of stickers Nathan and Mary had. How many more stickers did Linda have than Mary?

Ans:_____ [4]

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42. There were some candies in a bag. Ethan took $\frac{3}{8}$ of the candies, Fedrick took $\frac{1}{3}$ of the candies and Germaine took the rest. Ethan took 12 more candies than Germaine.

Do not write in this space

(a) What fraction of the candies did Germaine take?

Ans: (a)_____ [1]

(b) How many candies were there in the bag?

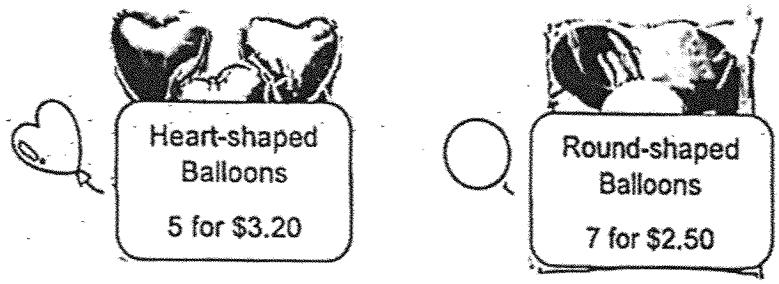
Ans: (b)_____ [3]

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43. In a shop, balloons are sold only in packets of 5 and 7. A packet of 5 heart-shaped balloons cost $3.20 and a packet of 7 round-shaped balloons cost $2.50.

Do not write in this space



(a) Meagan bought 15 heart-shaped balloons. How much did she pay for the balloons?

Ans: (a)_____ [2]

(b) David wants to buy 10 heart-shaped balloons and 22 round-shaped balloons. What is the least amount of money he need to pay for the balloons?

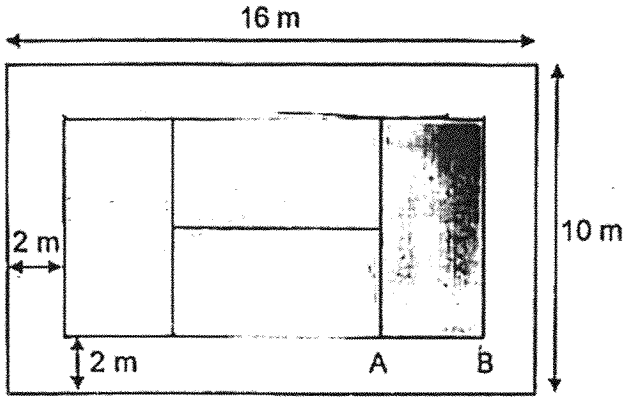
Ans: (b)_____ [2]

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44. 4 identical rectangular carpets are laid on a rectangular floor measuring 16 m by 10 m, leaving a border of 2 m around it. AB is the breadth of one such rectangular carpet.

Do not write in this space



(a) Find the area of the rectangular floor not covered by the carpets.

Ans: (a)_____ [3]

(b) Find the breadth of the rectangular carpet.

Ans: (b)_____ [1]

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45. The patterns below are made up of identical shaded squares and unshaded squares.

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Figure 1

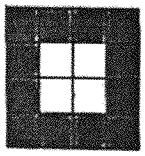


Figure 2

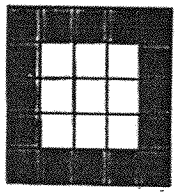


Figure 3

Figure Number	Number of shaded squares	Number of unshaded squares	Total number of shaded squares and unshaded squares
1	8	1	9
2	12	4	16
3	16	9	25
4			36

[2]

(a) Fill in the table for Figure 4.

(b) What is the total number of shaded squares and unshaded squares for Figure 9?

Ans: (b)_____ [2]

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LEVEL : PRIMARY 4
SUBJECT : MATHEMATICS
TERM : SA2

PAPER 1

SECTION A

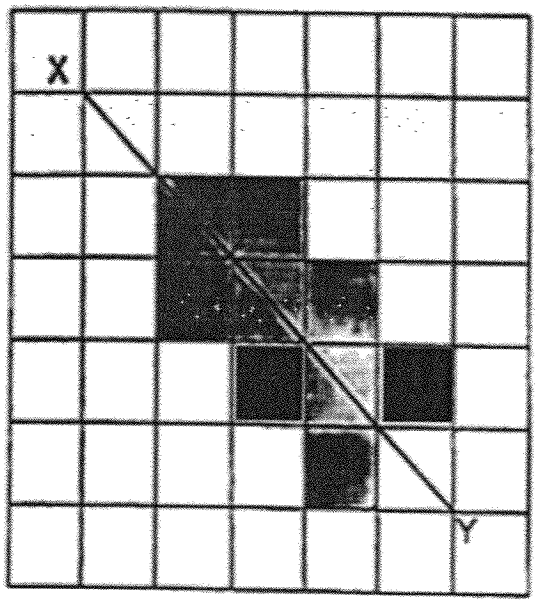
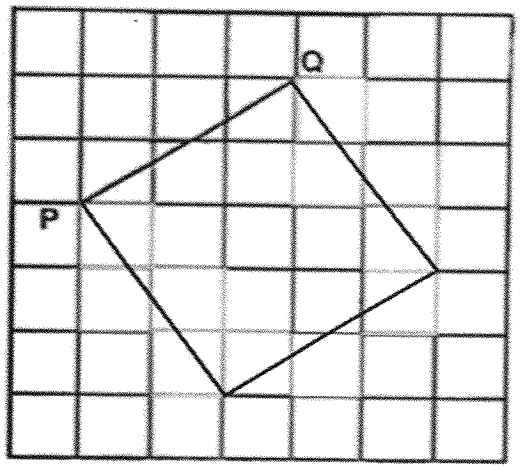
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8
3	4	3	2	4	2	2	2
Q9	Q10	Q11	Q12	Q13	Q14	Q15	Q16)
1	3	3	2	1	3	2	3
Q17	Q18	Q19	Q20				
4	2	1	2				

BOOKLET B

Q21	40011
Q22	0.008
Q23	$1\frac{7}{10}$
Q24	0.75
Q25	$\frac{24}{7}$
Q26	4, 16
Q27	5.49
Q28	$\frac{5}{6}, \frac{5}{9}, \frac{1}{2}$
Q29	50^o
Q30	2988

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Q31	4.04
Q32	142kg
Q33	$1.75
Q34	
Q35	
Q36)	$16cm^2$
Q37)	120
Q38)	30^o
Q39)	From April to May
Q40)	80kg

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SECTION C

Q41	Let Mary = **M** Nathan = **M + 24** Nathan + Mary = **2M + 24** Linda had twice as many as Nathan + Mary: Linda = **2 × (2M + 24) = 4M + 48** Total stickers = 264: M + (M + 24) + (4M + 48) = 264 6M + 72 = 264 6M = 192 M = 32 Mary = 32 Nathan = 32 + 24 = 56 Linda = 4M + 48 = 4(32) + 48 = 128 + 48 = **176** How many more does Linda have than Mary? 176 − 32 = **144** **Ans: 144**
Q42a)	Ethan took $\frac{3}{8}$ Fedrick took $\frac{1}{3}$ Fraction taken so far: $\frac{3}{8} + \frac{1}{3} = \frac{9}{24} + \frac{8}{24}$ $= \frac{17}{24}$ Germaine took the rest: $1 - \frac{17}{24} = \frac{7}{24}$ **Ans (a):** $\frac{7}{24}$

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Q42b)	Let total candies = **T** Ethan took $\frac{3}{8}$ T Germaine took $\frac{7}{24}$ T Ethan took 12 more than Germaine: $\frac{3}{8}T - \frac{7}{24}T = 12$ Find common denominator 24: $\frac{3}{8} = \frac{9}{24}$ So: $(\frac{9}{24}T) - (\frac{7}{24}T) = 12$ $\frac{2}{24}T = 12$ $\frac{1}{12}T = 12$ T = 12 × 12 = **144** **Ans (b): 144**
Q43a)	Heart-shaped balloons sold in packets of 5 for $3.20 Meagan bought 15 balloons: 15 ÷ 5 = 3 packets Cost = 3 × $3.20 = **$9.60** **Ans (a): $9.60**
Q43b)	Heart-shaped balloons needed: **10** Each packet has 5 → need 10 ÷ 5 = **2 packets** Cost for heart-shaped = 2 × $3.20 = **$6.40** Round-shaped balloons needed: **22** Each packet has 7 → Number of packets:

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	22 ÷ 7 = 3 remainder 1 → need **4 packets** Cost for round-shaped = 4 × $2.50 = **$10.00** Total cost = $6.40 + $10.00 = **$16.40** **Ans (b): $16.40**
Q44a)	Floor size = 16 m × 10 m Area of floor = 16 × 10 = **160 m²** There is a border of 2 m all around. So the carpeted inner rectangle has dimensions: Length = 16 − 2 − 2 = **12 m** Breadth = 10 − 2 − 2 = **6 m** Area covered by carpets = 12 × 6 = **72 m²** Area not covered = 160 − 72 = **88 m²** **Ans (a): 88 m²**
Q44b)	There are 4 identical carpets covering a 12 m × 6 m region. The carpets are arranged as shown: 2 carpets side-by-side form the full 12 m length → So each carpet's length = 12 ÷ 2 = **6 m** Then the breadth: Since carpets fill the 6 m height with 2 carpets stacked: Breadth = 6 ÷ 2 = **3 m** **Ans (b): 3 m**

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Q45a)	Figure 4 → 6×6=36 Unshaded squares follow pattern: 1, 4, 9 → these are 1^2, 2^2, 3^2 So for Figure 4 → 4^2=16 Shaded = Total − Unshaded = 36 − 16 = **20** **Ans (a): Shaded = 20, Unshaded = 16**
Q45b)	For Figure 9, total squares = $(9+2)^2=11^2 = 121$ **Ans (b): 121**

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