

I. Multiple choice questions:

1. 100 2. 3 3. 5 4. Fraction 5. 9 6. 50
7. Perimeter 8. Four 9. Both of these 10. 1 11. Polygon
12. 11 13. Prime 14. Different 15. Vertex

II. Match the following:

16. Reflection 17. Pentagon 18. Mixed fraction 19. 4

20. Length \times Breadth

B

21. 2 lines of symmetry 22. 180° 23. 1, 3, 5, 15

24. 2 25. $4 \times$ side

III. Answer the following:

26. i) Yes ii) Line of symmetry or symmetrical line

27. 9, 18, 27, 36.

28. $\frac{1}{17} \times 170^{10} = 1 \times 10 = 10$

29. Fifty rupee note

30. $1\text{kg} = ₹12, 2\text{kg} = 2 \times 12 = 24$ Ans: = ₹24

31. 4

32. Student's choice

33. Factors of 10 $\rightarrow 1 \times 10, 2 \times 5$ Ans: 1, 2, 5, 10

34. Student's choice

35. $\frac{1}{3} \times 24^8 = 8 \text{ hours}$

SECTION - B

IV. Solve the following:

36. The actual arrival time \rightarrow Quarter to 5

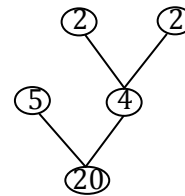
\rightarrow 4 : 45

Train late by 30 minutes \rightarrow 4 : 45 + 30 minutes

\rightarrow 5 : 15

Ans: Hence the arrival time \rightarrow 5 : 15

37.



38. a) Zero angle b) Obtuse angle c) Acute angle

39. Multiples of 2 \rightarrow 2, 4, 6, 8, 10, 12, 14, 16, 18, 20

Multiples of 4 \rightarrow 4, 8, 12, 16, 20, 24, 28, 32, 36, 40

Common multiples \rightarrow 4, 8, 12, 16

Ans: Four common multiples \rightarrow 4, 8, 12, 16

40.

Shape	$\frac{1}{2}$ turn	$\frac{1}{4}$ turn

SECTION - C

V. Do the sums (any 6)

41. a) 1kg of onion = ₹18

2 kg of onion = 2×18

= 36

Ans: ₹36

b) 1kg of carrot = ₹16

$2 \frac{1}{4}$ kg = ?

$2 \text{ kg} + \frac{1}{4} \text{ kg}$

$2 \times 16 + \frac{1}{4} \times 16$

$32 + 4 = ₹36$

Ans: ₹36

c) 1kg of potato = 15

$2 \frac{1}{3} = 2\text{kg} + \frac{1}{3} \text{ kg}$

= $2 \times 15 + \frac{1}{3} \times 15$

= $30 + 5 = 35$

Ans: ₹35

$$\begin{aligned}
 \text{d) } 1\text{kg gourd} &= ₹8 \\
 4 \frac{3}{4}\text{ kg} &= ? \\
 4 \frac{3}{4}\text{ kg} &= 4\text{kg} + \frac{3}{4}\text{ kg} \\
 &= 4 \times 8 + \frac{3}{4} \times 8 \\
 &= 32 + 6 = ₹38
 \end{aligned}$$

Ans: ₹38

$$\begin{aligned}
 42. \text{ No. of houses} &= 8 \\
 \text{First son} &= \frac{1}{2} \times 8 & \text{Second son} &= \frac{1}{4} \times 8 \\
 &= 4 \text{ houses} & &= 2 \text{ houses} \\
 \text{Third son} &= \frac{1}{4} \times 8 \\
 &= 2 \text{ houses}
 \end{aligned}$$

$$\begin{aligned}
 \text{Ans: First son} &= 4 \text{ houses} \\
 \text{Second son} &= 2 \text{ houses} \\
 \text{Third son} &= 2 \text{ houses}
 \end{aligned}$$

43. Soln:

Smallest number of seeds \rightarrow LCM of 4, 5 and 6

$$\begin{array}{r|l}
 2 & 4, 5, 6 \\
 2 & 2, 5, 3 \\
 5 & 1, 5, 3 \\
 3 & 1, 1, 3 \\
 \hline
 & 1, 1, 1
 \end{array}$$

$$\text{LCM} \rightarrow 2 \times 2 \times 5 \times 3 = 60$$

No. of seed left over \rightarrow 1

Ans: Smallest number of seeds which vanita had = $60 + 1 = 61$

44. Multiples of 3 \rightarrow 3, 6, 9, 12, 15, 18, 21, 24, 27, 30

Multiples of 6 \rightarrow 6, 12, 18, 24, 30, 36, 42, 48, 54, 60

Multiples of 5 \rightarrow 5, 10, 15, 20, 25, 30, 35, 40, 45, 50

Common multiple \rightarrow 30

Ans: Shortest length of the path \rightarrow 30 feet

$$\begin{aligned}
 45. \text{ No. of Tomatoes} &= 30 \\
 \text{No. of Potatoes} &= 24 \\
 \text{Rajesh} &= \frac{1}{5} \text{ of tomatoes} + \frac{1}{6} \text{ of potatoes} \\
 &= \frac{1}{5} \times 30 + \frac{1}{6} \times 24 \\
 &= 6 \text{ tomatoes} + 4 \text{ potatoes}
 \end{aligned}$$

$$\begin{aligned}
 \text{Subha} &= \frac{2}{5} \text{ of tomatoes} + \frac{3}{6} \text{ of potatoes} \\
 &= \frac{2}{5} \times 30 + \frac{3}{6} \times 24 \\
 &= 12 \text{ tomatoes} + 12 \text{ potatoes}
 \end{aligned}$$

Nancy got remaining vegetables

$$\begin{aligned}
 \text{Tomatoes} &= 30 - [6 + 12] \\
 &= 30 - 18 \\
 &= 12 \text{ tomatoes} \\
 \text{Potatoes} &= 24 - [4 + 12] \\
 &= 24 - 16 \\
 &= 8 \text{ potatoes}
 \end{aligned}$$

Asn: Rajesh got vegetables \rightarrow 6 Tomatoes + 4 Potatoes

Subha \rightarrow 12 Tomatoes + 12 Potatoes

Nancy \rightarrow 12 Tomatoes + 8 Potatoes

46. Refer Geometry book.

$$47. \text{ Area of the square} = 36\text{sq. cm}$$

$$\begin{aligned}
 \text{Area of the shaded triangle} &= \frac{1}{2} \text{ of Area of square} \\
 &= \frac{1}{2} \times 36
 \end{aligned}$$

Area of the shaded triangle = 18sq. cm

Ans: Area of shaded triangle = 18 sq. cm