

Section B

This section comprises with very short answer type questions.

(2×4=8)

21. Write the following rational numbers in ascending order:

$$\frac{-1}{3}, \frac{-2}{9}, \frac{-4}{3}$$

22. State the number of lines of symmetry for the following figures:

- A scalene triangle
- A equilateral triangle

23. Draw the number line and represent the following rational numbers on it:

a) $\frac{3}{4}$ b) $\frac{-7}{4}$

24. Find: 20% of ₹ 2500.

Section C

This section comprises of short answer type questions.

(3×3=9)

25. Arun bought a car for ₹ 3,50,000. The next year, the price went up to ₹ 3,70,000. What was the percentage of price increase?

26. Which of the following pairs represent the same rational number?

- $\frac{-7}{21}$ and $\frac{3}{9}$
- $\frac{-16}{20}$ and $\frac{20}{-25}$
- $\frac{-2}{-3}$ and $\frac{2}{3}$

27. Fill in the blanks:

Shape	Centre of Rotation	Order of Rotation	Angle of Rotation
Circle	-	-	-
Rhombus	-	-	-
Rectangle			

Section D

This section comprises of long answer type questions.

(5 ×2=10)

28. Simplify:

- $\frac{-3}{5} \div 2$
- $\frac{-1}{8} \div \frac{3}{4}$
- $\frac{25}{30} \times \frac{4}{3}$
- $\frac{-6}{3} - \frac{-7}{15}$
- $\frac{2}{7} + \frac{-4}{7}$

29. Find the whole quantity if

- 5% of its 600
- 12% of it is 1080
- 20% of it is 400 km.
- 50% of it is 14 minutes.
- 8% of it is 40 litres.

Section E

This section comprises with case study type questions.

(3 ×1=3)

30. Ameena sells a laptop for ₹30,500. What was the price at which she bought it? If

- She loses 20% in the bargain?
- She profit 10% in the sell?
- She loses 15% in the bargain?