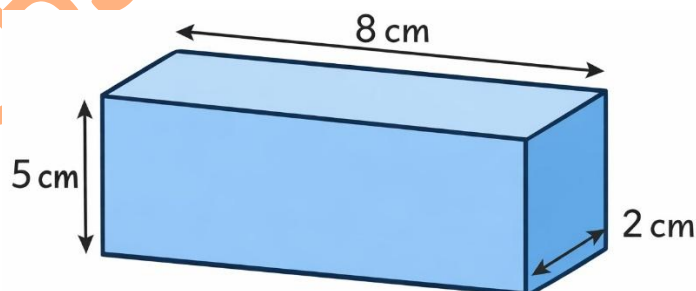


Class 5 Maths**Perimeter, Area and Volume**

Solve the following:

1. Find the perimeter of a square with side 18 cm.
2. A rectangle has length 25 cm and breadth 15 cm. Find its perimeter.
3. An equilateral triangle has each side 22 cm. Find its perimeter.
4. A triangle has sides 12 cm, 15 cm, and 17 cm. Find its perimeter.
5. A parallelogram has sides 20 cm and 12 cm. Find its perimeter.
6. A rhombus has each side 14 cm. Find its perimeter.
7. A regular pentagon has each side 10 cm. Find its perimeter.
8. A hexagon has each side 8 cm. Find its perimeter.
9. A rectangle has length 40 cm and breadth 25 cm. Find its perimeter.
10. Find the area of a mirror whose each side measures 13.2 cm.
11. What is the side of the square if its area is 144 sq. m.
12. Find the area of the rectangle whose length = 12 cm and breadth = 5 cm.
13. Find the volume of the cube with side = 4 cm.
14. Find the volume of the cuboid if length = 12 cm, breadth = 4cm and height = 4cm.
15. Find the volume for the following cuboid.



Answers/ Solutions**1. Square (side = 18 cm)**

$$\text{Perimeter} = 4 \times \text{side}$$

$$= 4 \times 18 = \mathbf{72 \text{ cm}}$$

2. Rectangle (L = 25 cm, B = 15 cm)

$$\text{Perimeter} = 2 \times (L + B)$$

$$= 2 \times (25 + 15)$$

$$= 2 \times 40 = \mathbf{80 \text{ cm}}$$

3. Equilateral Triangle (side = 22 cm)

$$\text{Perimeter} = 3 \times \text{side}$$

$$= 3 \times 22 = \mathbf{66 \text{ cm}}$$

4. Triangle (12 cm, 15 cm, 17 cm)

$$\text{Perimeter} = \text{sum of all sides}$$

$$= 12 + 15 + 17 = \mathbf{44 \text{ cm}}$$

5. Parallelogram (sides = 20 cm, 12 cm)

$$\text{Perimeter} = 2 \times (\text{sum of adjacent sides})$$

$$= 2 \times (20 + 12)$$

$$= 2 \times 32 = \mathbf{64 \text{ cm}}$$

6. Rhombus (side = 14 cm)

$$\text{Perimeter} = 4 \times \text{side}$$

$$= 4 \times 14 = \mathbf{56 \text{ cm}}$$

7. Regular Pentagon (side = 10 cm)

$$\text{Perimeter} = 5 \times \text{side}$$

$$= 5 \times 10 = \mathbf{50 \text{ cm}}$$

8. Hexagon (side = 8 cm)

$$\text{Perimeter} = 6 \times \text{side}$$

$$= 6 \times 8 = \mathbf{48 \text{ cm}}$$

9. Rectangle (L = 40 cm, B = 25 cm)

$$\text{Perimeter} = 2 \times (40 + 25)$$

$$= 2 \times 65 = \mathbf{130 \text{ cm}}$$

10. Area of a square mirror (side = 13.2 cm)

$$\text{Area of square} = \text{side} \times \text{side}$$

$$= 13.2 \times 13.2$$

$$= \mathbf{174.24 \text{ cm}^2}$$

11. Find the side of a square (area = 144 sq. m)

$$\text{Area of square} = \text{side}^2$$

So,

$$\text{side} = \sqrt{\text{area}}$$

$$= \sqrt{144}$$

$$= \mathbf{12 \text{ m}}$$

12. Area of rectangle (L = 12 cm, B = 5 cm)

$$\text{Area} = \text{Length} \times \text{Breadth}$$

$$= 12 \times 5$$

$$= \mathbf{60 \text{ cm}^2}$$

13. Volume of cube (side = 4 cm)

$$\text{Volume} = \text{side}^3$$

$$= 4 \times 4 \times 4$$

$$= \mathbf{64 \text{ cm}^3}$$

14. Volume of cuboid (L = 12 cm, B = 4 cm, H = 4 cm)

$$\text{Volume} = L \times B \times H$$

$$= 12 \times 4 \times 4$$

$$= \mathbf{192 \text{ cm}^3}$$

15. Volume of cuboid (8 cm, 2 cm, 5 cm)

$$\text{Volume} = 8 \times 2 \times 5$$

$$= \mathbf{80 \text{ cm}^3}$$