

## CHAPTER-6 | Perimeter and Area

QUIZ  
PART-21

1. The perimeter of a rectangle of length 10 cm and width 6 cm is:

- A. 16 cm  
B. 26 cm  
C. 32 cm  
D. 60 cm (C)

**Explanation:** Perimeter of a rectangle =  $2 \times (\text{length} + \text{width}) = 2 \times (10 + 6) = 32$  cm.

2. The perimeter of a square of side 5 m is:

- A. 10 m  
B. 15 m  
C. 20 m  
D. 25 m (C)

**Explanation:** Perimeter of a square =  $4 \times \text{side} = 4 \times 5 = 20$  m.

3. The perimeter of a triangle with sides 7 cm, 9 cm, and 5 cm is:

- A. 19 cm  
B. 20 cm  
C. 21 cm  
D. 22 cm (C)

**Explanation:** Perimeter of a triangle = sum of all sides =  $7 + 9 + 5 = 21$  cm.

4. If the perimeter of a rectangle is 24 cm and its length is 8 cm, the width is:

- A. 3 cm  
B. 4 cm  
C. 5 cm  
D. 6 cm (B)

**Explanation:**  $2(l + w) = 24$ , so  $l + w = 12$ . Therefore,  $w = 12 - 8 = 4$  cm.

5. If the perimeter of a square is 32 m, one side is:

- A. 6 m  
B. 7 m  
C. 8 m  
D. 9 m (C)

**Explanation:** Side of a square = perimeter  $\div 4 = 32 \div 4 = 8$  m.

6. The area of a rectangle of length 12 m and width 8 m is:

- A. 20 sq m  
B. 48 sq m  
C. 96 sq m  
D. 192 sq m (C)

**Explanation:** Area of a rectangle = length  $\times$  width =  $12 \times 8 = 96$  sq m.

7. Which formula is correct for the perimeter of a rectangle?

- A.  $l \times w$   
B.  $2(l + w)$   
C.  $4 \times \text{side}$   
D.  $l + w$  (B)

**Explanation:** The perimeter of a rectangle is the sum of all four sides, which is  $2(l + w)$ .

8. Which formula is correct for the area of a rectangle?

- A.  $2(l + w)$   
B.  $4 \times \text{side}$   
C.  $l \times w$   
D.  $l + w + h$  (C)

**Explanation:** The area of a rectangle is found by multiplying length and width.

9. Which formula is correct for the perimeter of a square?

- A. side  $\times$  side  
B.  $2(\text{side})$   
C.  $3(\text{side})$   
D.  $4(\text{side})$  (D)

**Explanation:** A square has four equal sides, so perimeter =  $4 \times \text{side}$ .

10. Which statement is true?

- A. Area is measured in cm  
B. Perimeter is measured in square units  
C. Area is measured in square units  
D. Perimeter is found by multiplying length and width (C)

**Explanation:** Area covers a surface, so it is measured in square units like sq cm or sq m.