

## CHAPTER-6 | Perimeter and Area

QUIZ  
PART-03

1. The perimeter of a triangle is:

- A. product of its three sides
- B. sum of its three sides
- C. twice one side
- D. area inside it (B)

*Explanation:* The perimeter of a triangle is the total length around it, so we add all three sides.

2. A triangle has sides 4 cm, 5 cm, and 7 cm. Its perimeter is:

- A. 12 cm
- B. 14 cm
- C. 16 cm
- D. 18 cm (C)

*Explanation:* Perimeter =  $4 + 5 + 7 = 16$  cm.

3. Which formula is correct for the perimeter of a triangle?

- A. side  $\times$  side  $\times$  side
- B. side + side + side
- C.  $2 \times$  (length + breadth)
- D.  $4 \times$  side (B)

*Explanation:* A triangle has three sides, so its perimeter is the sum of the three side lengths.

4. What is the perimeter of a triangle whose sides are 3 m, 5 m, and 6 m?

- A. 11 m
- B. 12 m
- C. 13 m
- D. 14 m (D)

*Explanation:* Perimeter =  $3 + 5 + 6 = 14$  m.

5. What is the perimeter of a triangle whose sides are 8 m, 6 m, and 10 m?

- A. 22 m
- B. 23 m
- C. 24 m
- D. 25 m (C)

*Explanation:* Perimeter =  $8 + 6 + 10 = 24$  m.

6. The perimeter of a triangle is 60 m. Two sides are 18 m and 16 m. The third side is:

- A. 24 m
- B. 25 m
- C. 26 m
- D. 27 m (C)

*Explanation:* Third side =  $60 - (18 + 16) = 60 - 34 = 26$  m.

7. The perimeter of a triangle is 30 m and all three sides are equal. Each side is:

- A. 8 m
- B. 9 m
- C. 10 m
- D. 12 m (C)

*Explanation:* If all sides are equal, each side =  $30 \div 3 = 10$  m.

8. Which statement is true?

- A. Triangle perimeter is found by multiplying all sides
- B. Triangle perimeter is found by adding all sides
- C. Triangle perimeter depends on only two sides
- D. Triangle perimeter is always even (B)

*Explanation:* To find the perimeter, we add the lengths of all three sides.

9. Can the perimeter of a triangle be found from the sum of its three sides?

- A. Yes
- B. No
- C. Only for equal sides
- D. Only for right triangles (A)

*Explanation:* This is the exact rule for finding triangle perimeter.

10. Which of the following best describes perimeter?

- A. Distance around a figure
- B. Space inside a figure
- C. Height of a figure
- D. Number of corners (A)

*Explanation:* Perimeter means the total distance around the boundary of a figure.