

## CHAPTER-6 | Perimeter and Area

QUIZ  
PART-14

1. The area of a rectangle is:

- A. length + width
- B.  $2 \times \text{length} \times \text{width}$
- C. length  $\times$  width
- D. length  $\div$  width (C)

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

2. If area = 300 sq m and length = 25 m, the width is:

- A. 10 m
- B. 12 m
- C. 15 m
- D. 20 m (B)

**Explanation:** Width = Area  $\div$  Length =  $300 \div 25 = 12$  m.

3. To find the width of a rectangle, we use:

- A. Area  $\times$  Length
- B. Area + Length
- C. Area  $\div$  Length
- D. Length  $\div$  Area (C)

**Explanation:** Width is found by dividing area by length.

4. The area of a rectangular plot 500 m long and 200 m wide is:

- A. 10,000 sq m
- B. 100,000 sq m
- C. 700 sq m
- D. 1,00,00,000 sq m (B)

**Explanation:** Area =  $500 \times 200 = 100,000$  sq m.

5. If the rate is ₹8 per hundred sq m, then cost for 100,000 sq m is:

- A. ₹800
- B. ₹8,000
- C. ₹80,000
- D. ₹100,000 (B)

**Explanation:**  $100,000$  sq m = 1000 hundreds, so cost =  $1000 \times ₹8 = ₹8,000$ .

6. A rectangular grove 100 m long and 50 m wide has area:

- A. 500 sq m
- B. 5,000 sq m
- C. 10,000 sq m
- D. 150 sq m (B)

**Explanation:** Area =  $100 \times 50 = 5,000$  sq m.

7. If each coconut tree needs 25 sq m, then maximum trees in 5,000 sq m are:

- A. 100
- B. 150
- C. 200
- D. 250 (C)

**Explanation:** Number of trees =  $5,000 \div 25 = 200$ .

8. Which operation is used to find number of trees?

- A. multiplication
- B. subtraction
- C. division
- D. addition (C)

**Explanation:** We divide total area by area needed for one tree.

9. The unit used for area in this chapter is:

- A. m
- B. sq m
- C. cm
- D.  $m^2/s$  (B)

**Explanation:** Area is measured in square metres, written as sq m or  $m^2$ .

10. Which statement is correct?

- A. Width = Length  $\times$  Area
- B. Trees = Area  $\times$  25
- C. Cost = number of hundred sq m  $\times$  rate
- D. Area = Length + Width (C)

**Explanation:** For the tiling question, the total cost is found by multiplying the number of hundred square metres by the given rate.