

CHAPTER-6 | Perimeter and Area

QUIZ
PART-19

1. The area of a rectangle of 5 m \times 10 m is:

- A. 15 sq m
- B. 25 sq m
- C. 50 sq m
- D. 60 sq m (C)

Explanation: Area = length \times breadth = 5 \times 10 = 50 sq m.

2. The area of a rectangle of 2 m \times 7 m is:

- A. 9 sq m
- B. 12 sq m
- C. 14 sq m
- D. 16 sq m (C)

Explanation: Area = 2 \times 7 = 14 sq m.

3. The sum of the areas of the two rectangles in Question 1 is:

- A. 54 sq m
- B. 64 sq m
- C. 74 sq m
- D. 84 sq m (B)

Explanation: Total area = 50 + 14 = 64 sq m.

4. One possible dimension pair for a rectangle of area 64 sq m is:

- A. 8 m \times 8 m
- B. 6 m \times 6 m
- C. 5 m \times 12 m
- D. 4 m \times 20 m (A)

Explanation: 8 \times 8 = 64, so it is one correct possible rectangle.

5. A rectangular garden has area 1000 sq m and length 50 m. Its width is:

- A. 15 m
- B. 20 m
- C. 25 m
- D. 30 m (B)

Explanation: Width = Area \div Length = 1000 \div 50 = 20 m.

6. The area of a room 5 m long and 4 m wide is:

- A. 9 sq m
- B. 20 sq m
- C. 25 sq m
- D. 30 sq m (B)

Explanation: Room area = 5 \times 4 = 20 sq m.

7. The area of a square carpet of side 3 m is:

- A. 6 sq m
- B. 9 sq m
- C. 12 sq m
- D. 15 sq m (B)

Explanation: Area of a square = side \times side = 3 \times 3 = 9 sq m.

8. The area of the room not carpeted is:

- A. 9 sq m
- B. 10 sq m
- C. 11 sq m
- D. 12 sq m (C)

Explanation: Uncarpeted area = 20 - 9 = 11 sq m.

9. The area of a garden 15 m long and 12 m wide is:

- A. 150 sq m
- B. 170 sq m
- C. 180 sq m
- D. 190 sq m (C)

Explanation: Garden area = 15 \times 12 = 180 sq m.

10. Four flower beds each of 2 m \times 1 m leave lawn area of:

- A. 168 sq m
- B. 172 sq m
- C. 176 sq m
- D. 178 sq m (B)

Explanation: One flower bed area = 2 \times 1 = 2 sq m.
Four beds = 8 sq m. Lawn area = 180 - 8 = 172 sq m.