

## CHAPTER-6 | Perimeter and Area

QUIZ  
PART-16

1. The area of the small bedroom is 180 sq ft and its length is 15 ft. Its width is:

- A. 10 ft
- B. 12 ft
- C. 15 ft
- D. 18 ft (B)

*Explanation:* Width = Area  $\div$  Length =  $180 \div 15 = 12$  ft.

2. The kitchen measures 15 ft  $\times$  12 ft. Its area is:

- A. 150 sq ft
- B. 160 sq ft
- C. 180 sq ft
- D. 200 sq ft (C)

*Explanation:* Area =  $15 \times 12 = 180$  sq ft.

3. The toilet measures 5 ft  $\times$  10 ft. Its area is:

- A. 15 sq ft
- B. 50 sq ft
- C. 100 sq ft
- D. 25 sq ft (B)

*Explanation:* Area =  $5 \times 10 = 50$  sq ft.

4. The utility measures 15 ft  $\times$  3 ft. Its area is:

- A. 18 sq ft
- B. 30 sq ft
- C. 45 sq ft
- D. 60 sq ft (C)

*Explanation:* Area =  $15 \times 3 = 45$  sq ft.

5. The parking measures 15 ft  $\times$  3 ft. Its area is:

- A. 30 sq ft
- B. 45 sq ft
- C. 50 sq ft
- D. 60 sq ft (B)

*Explanation:* Area =  $15 \times 3 = 45$  sq ft.

6. The garden measures 20 ft  $\times$  3 ft. Its area is:

- A. 23 sq ft
- B. 40 sq ft
- C. 60 sq ft
- D. 80 sq ft (C)

*Explanation:* Area =  $20 \times 3 = 60$  sq ft.

7. The area of the master bedroom is:

- A. 180 sq ft
- B. 200 sq ft
- C. 225 sq ft
- D. 250 sq ft (C)

*Explanation:* Master bedroom =  $15 \text{ ft} \times 15 \text{ ft} = 225$  sq ft.

8. The area of the hall is given as:

- A. 225 sq ft
- B. 245 sq ft
- C. 255 sq ft
- D. 265 sq ft (D)

*Explanation:* The completed plan shows the hall area as 265 sq ft.

9. The total area of all parts shown in the plan is:

- A. 1000 sq ft
- B. 1050 sq ft
- C. 1100 sq ft
- D. 1150 sq ft (B)

*Explanation:* Total =  $225 + 60 + 45 + 180 + 265 + 50 + 180 + 45 = 1050$  sq ft.

10. Which statement is correct?

- A. Garden and parking have equal area
- B. Utility and parking have equal area
- C. Kitchen and hall have equal area
- D. Toilet and utility have equal area (B)

*Explanation:* Utility = 45 sq ft and Parking = 45 sq ft, so both are equal.