

CHAPTER-6 | Perimeter and Area

QUIZ
PART-17

1. The area of the small bedroom is:

- A. 100 sq ft
- B. 110 sq ft
- C. 120 sq ft
- D. 130 sq ft (C)

Explanation: Small bedroom = $12 \text{ ft} \times 10 \text{ ft} = 120 \text{ sq ft}$.

2. The dimensions of the utility are:

- A. $10 \text{ ft} \times 5 \text{ ft}$
- B. $7 \text{ ft} \times 10 \text{ ft}$
- C. $7 \text{ ft} \times 15 \text{ ft}$
- D. $5 \text{ ft} \times 10 \text{ ft}$ (B)

Explanation: The completed figure shows utility = $7 \text{ ft} \times 10 \text{ ft}$, giving area 70 sq ft .

3. The area of the entrance is:

- A. 70 sq ft
- B. 90 sq ft
- C. 105 sq ft
- D. 120 sq ft (C)

Explanation: Entrance = $7 \text{ ft} \times 15 \text{ ft} = 105 \text{ sq ft}$.

4. The dimensions of the toilet are:

- A. $7 \text{ ft} \times 10 \text{ ft}$
- B. $5 \text{ ft} \times 10 \text{ ft}$
- C. $12 \text{ ft} \times 10 \text{ ft}$
- D. $10 \text{ ft} \times 15 \text{ ft}$ (B)

Explanation: The completed plan shows toilet = $5 \text{ ft} \times 10 \text{ ft}$.

5. The area of the toilet is:

- A. 45 sq ft
- B. 50 sq ft
- C. 60 sq ft
- D. 70 sq ft (B)

Explanation: Toilet area = $5 \times 10 = 50 \text{ sq ft}$.

6. The dimensions of the hall are:

- A. $23 \text{ ft} \times 10 \text{ ft}$
- B. $23 \text{ ft} \times 12 \text{ ft}$
- C. $23 \text{ ft} \times 15 \text{ ft}$
- D. $23 \text{ ft} \times 18 \text{ ft}$ (C)

Explanation: The completed plan gives the hall dimensions as $23 \text{ ft} \times 15 \text{ ft}$.

7. The area of the hall is:

- A. 300 sq ft
- B. 345 sq ft
- C. 350 sq ft
- D. 365 sq ft (B)

Explanation: Hall area = $23 \times 15 = 345 \text{ sq ft}$.

8. The area of Sharan's house shown in the plan is:

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

Explanation: Total = $180 + 120 + 345 + 50 + 180 + 70 + 105 = 1050 \text{ sq ft}$.

9. Which two parts have the same area?

- A. Utility and Toilet
- B. Master Bedroom and Kitchen
- C. Small Bedroom and Entrance
- D. Hall and Master Bedroom (B)

Explanation: Master Bedroom = 180 sq ft and Kitchen = 180 sq ft .

10. Compared to Charan's house, Sharan's house has:

- A. the same total area
- B. smaller total area
- C. greater total area
- D. unknown area (A)

Explanation: Charan's total area is also 1050 sq ft , so both houses have equal total area.