

Area and perimeter of square and rectangle

1. What is the perimeter of a square with a side length of 7 meters?
 - A) 14 meters
 - B) 21 meters
 - C) 28 meters
 - D) 35 meters

2. The length of a rectangle is 12 meters and its width is 6 meters. What is the area of the rectangle?
 - A) 18 square meters
 - B) 36 square meters
 - C) 72 square meters
 - D) 144 square meters

3. The perimeter of a rectangle is 30 meters and its length is 10 meters. What is its width?
 - A) 5 meters
 - B) 7 meters
 - C) 8 meters
 - D) 15 meters

4. The perimeter of a square garden is 48 meters. What is the length of each side?
 - A) 6 meters
 - B) 8 meters
 - C) 12 meters
 - D) 24 meters

5. Sarah is building a fence around her rectangular garden. The length of the garden is 12 meters, and the width is 8 meters. What is the total length of the fencing she needs?
 - A) 20 meters

- B) 32 meters
- C) 40 meters
- D) 48 meters

6. Alex wants to carpet his square-shaped room. Each side of the room measures 5 meters. How many square meters of carpet does he need to buy?

- A) 15 square meters
- B) 20 square meters
- C) 25 square meters
- D) 30 square meters

7. Emily is painting her rectangular bedroom. The length of the room is 10 feet, and the width is 6 feet. How many square feet of paint does she need to cover the walls?

- A) 40 square feet
- B) 50 square feet
- C) 60 square feet
- D) 70 square feet

8. John has a square piece of land for his garden. If each side measures 9 meters, what is the total length of the fence he needs to enclose his garden?

- A) 27 meters
- B) 36 meters
- C) 45 meters
- D) 54 meters

9. The length of a rectangular swimming pool is 20 meters, and the width is 8 meters. What is the total length of the pool's boundary?

- A) 28 meters
- B) 36 meters
- C) 48 meters
- D) 56 meters

10. Lisa is making a quilt with square patches. Each side of the square patch measures 4 inches. How many square inches of fabric does she need for each patch?

- A) 8 square inches
- B) 12 square inches
- C) 16 square inches
- D) 20 square inches

11. Tom wants to lay tiles in his rectangular kitchen. The length of the kitchen is 12 feet, and the width is 7 feet. How many square feet of tiles does he need to cover the floor?

- A) 72 square feet
- B) 84 square feet
- C) 96 square feet
- D) 108 square feet

12. Jessica is planning a garden with a square flower bed in the center. If each side of the flower bed measures 6 feet, what is the total length of the border around the flower bed?

- A) 18 feet
- B) 24 feet
- C) 30 feet
- D) 36 feet

Mixed Word Problem

13. Sarah is planning to tile her rectangular kitchen floor. The length of the kitchen is 10 feet, and the width is 8 feet. Each tile she has is square-shaped and measures 1 foot on each side. How many tiles does she need to cover the entire floor?

- A) 64 tiles
- B) 80 tiles
- C) 90 tiles
- D) 100 tiles

14. Alex is fencing his square garden. Each side of the garden measures 15 meters. He wants to put a flower bed in the center of the garden, which is also square-shaped and has sides of 5 meters. What is the total length of fencing he needs for the garden?

- A) 45 meters
- B) 50 meters
- C) 55 meters
- D) 60 meters

15. John is planning to build a fence around his triangular garden. The garden has sides of lengths 5 meters, 6 meters, and 7 meters. If he wants to leave a gate on one side that measures 3 meters, what is the total length of fencing he needs?

- A) 15 meters
 - B) 18 meters
 - C) 21 meters
 - D) 24 meters
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Answers

1. (C), 2. (B), 3. (A), 4. (C), 5. (C), 6. (C), 7. (C), 8. (B), 9. (C), 10. (C), 11. (A), 12. (D), 13. (A), 14. (B), 15. (C).