

Subject: Mathematics

Class: 4

Topic: Perimeter and Area

Levels: Basic, Intermediate, Advanced

Level: Basic

1. The distance around the edge of a closed figure is called its _____.
2. Find the perimeter of a triangle with sides 5 cm, 7 cm, and 9 cm: _____ cm.
3. A square has a side of 4 cm. Its perimeter is $(4 \times \text{_____}) = 16$ cm.
4. If the length of a rectangle is 10 m and width is 5 m, the perimeter is _____ m.
5. The amount of surface covered by a figure is called its _____.
6. To find the area of a rectangle, we multiply Length $\times$ _____.
7. If a tile is 1 unit square, and a floor is covered by 20 such tiles, its area is _____ sq units.
8. A square with side 1 cm has an area of _____ sq cm.
9. Perimeter of a square = $4 \times \text{_____}$.
10. True or False: A bigger shape always has a larger perimeter than a smaller shape. [?]

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Level: Intermediate

1. Arjun runs around a square park of side 30 m. The distance he covers in 1 lap is _____ m.
2. Find the area of a rectangular cardboard that is 12 cm long and 8 cm wide: _____ sq cm.
3. A rectangular field has a perimeter of 100 m. If the length is 30 m, the breadth is _____ m.
4. Calculate the area of a square handkerchief whose side is 15 cm: _____ sq cm.
5. Riya wants to put a lace boundary around a square table of side 2 m. She needs _____ m of lace.
6. The area of a rectangle is 50 sq cm. If the length is 10 cm, find the breadth: _____ cm.
7. Which has a greater perimeter: A square of side 5 cm or a triangle with sides 6 cm each? [?]
8. If 1 cm on paper represents 1 m on ground, a 5 cm $\times$ 3 cm rectangle has a real area of _____ sq m.
9. Find the perimeter of a shape made of 3 squares (side 2 cm each) joined in a line: _____ cm.
10. A room floor is 4 m long and 3 m wide. The cost of tiling at ? 10 per sq m is ? _____.

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1. A wire of length 36 cm is bent to form a square. The area of this square is _____ sq cm.
2. If the area of a square is 64 sq cm, then the perimeter of that square is _____ cm.
3. A rectangular park is 50 m $\times$ 40 m. A path 2 m wide runs inside it. The inner area is _____ sq m.
4. Two squares of side 10 cm are joined side-by-side. The perimeter of the new rectangle is _____ cm.
5. The perimeter of a rectangle is 24 cm. If the length is double the breadth, the breadth is _____ cm.
6. Calculate the area of a shape formed by 10 squares of side 3 cm each: _____ sq cm.
7. Farmer Ram fences a rectangular field (20 m $\times$ 15 m) with 3 rounds of wire. Total wire used: _____ m.
8. A square plot has a perimeter of 80 m. The cost of leveling the plot at ? 5 per sq m is ? _____.
9. If the side of a square is doubled, its area becomes _____ times the original area.
10. Challenge: Draw a rectangle with Area = 12 sq cm and Perimeter = 14 cm. Length: _____ Breadth: _____