

## Area Perimeter of Rectangle (Set 2)

1. If the sides of a square are 20 cm. Find its area
2. The floor of a hall is 30 m long and 10 m broad. So how many meters of cotton carpet of 75 cm wide be required to cover the room and how much amount will require to be spent on cotton carpet if available at Rs. 25/- per meters?
3. The area of a square is twice the area of rectangle. If the area of the square is 225 sq.cm and the length of the rectangle is 12.5cm, then what would be the difference between the breadth of the rectangle and the side of the square?
4. Side of a square is 6 cm less than the length of a rectangle and breadth of the rectangle is 7cm less than the side of the square. The area of square is 324 sq.cm. What would be the area of the rectangle?
5. Find the perimeter of a rectangle having area equal to  $144 \text{ cm}^2$  and sides in the ratio of 4:9.
6. The length and perimeter of a rectangle are in the ratio of 5:18. What will be the ratio of its length and breadth.
7. If the sides of a rectangle are increased by 5% Find the percent increase in its diagonal.
8. The area of a rectangle, whose length is 5 more than twice its width is 75 sq unit. What is the perimeter of the rectangle?
9. The area of a rectangular field is 15 times the sum of its length and breadth. If the length of the field is 40 m, what is the breadth of the field?
10. A ground  $100 \times 80 \text{ sq m}$  has two cross roads in its middle. The road parallel to the length is 5m wide, and other road is 4m wide, both roads are perpendicular to each other. Find the cost of laying the brackets at the rate of Rs.10 per  $\text{m}^2$  on the road.
11. A rectangle has 30 cm its length and 720 sq cm as its area. Its area is increased to  $1\frac{1}{4}$  times its original area by increasing only its length. Find its new perimeter.
12. The length of a rectangle is twice its breadth. If the length is decreased by half of the 10 cm and the breadth is increased by half of the 10 cm, the area of the rectangle is increased by 5 sq cm. more than 70 sq. cm. find the length of the rectangle.
13. The perimeter of two square are 12 cm and 24 cm. the area of the bigger square is how much time of the smaller one.
14. The breadth of a rectangle is 25 m. the total cost of putting a grass bed on this field was Rs. 12375, at the rate of Rs.15 per sq m. What is the length of the rectangular field?
15. A rectangular grass plot  $80\text{m} \times 60 \text{ m}$  has two roads, each 10m wide, running in the middle of it, one parallel to length other parallel to breadth. Find the area of the roads.

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| 1) 400 sq m   | 10)Rs. 8000   |
| 2) Rs. 10,000 | 11) 123 cm    |
| 3) 6 cm       | 12) 40 cm     |
| 4) 264 sq cm  | 13) 4 times   |
| 5) 52 cm      | 14) 33 m      |
| 6) 5:4        | 15) 1300 sq.m |
| 7) 5%         |               |
| 8) 40 unit    |               |
| 9) 24 m       |               |