Area Perimeter of Rectangle (Set 1)

1. What is the area of a Square having perimeter 68 cm.?
2. The area of a rectangular play ground is 300 sq.m. if the breadth of the field is 15m. Find the length of the field.
3. The ratio of length and breadth of a rectangular plot is 5:3. If length is 3m more than breadth, find the area of the area of the field.
4. The area of a square is twice the area of a rectangle. If the area of the square is 225 sq.cm and the length of the rectangle is 12.5 cm. then what would be the difference between the breadth of the rectangle and the side of the square?
5. The ratio between the length and the breadth of a rectangle is 2:1. If breadth is 5cm less than the length. What will be the perimeter of the rectangle?
6. Area of a rectangular field is 3584 sq.m and the length and the breadth are in the ratio of 7:2 respectively. What is the perimeter of the rectangle?
7. If the sides of a rectangle are increased by 10%, find the percentage increase in its diagonal.
8. If the length of a rectangle decrease by 5 m and breadth increases by 3 m, then its area reduces 9 sq.m. If the length and breadth of the rectangle increased by 3m and 2 m then the area increased by 67 sq.m. What is the length of the rectangle?
9. The difference between length and breadth of a rectangle is 23m. if its perimeter is 206m. Then find the area of the rectangle.
10. Find the cost of carpeting a room 8m long and 6m broad with a carpet 75cm wide at Rs. 20 per m.
11. A rectangular grassy plot 160m × 45 m has a gravel path 3m wide all the four sides inside it. Find the cost of gravelling the path at Rs.5 per sqm.
12. The perimeter of two squares are 68cm and 60 cm. find the perimeter of third square whose area is equal to difference of the area of these two squares.
13. If the sides of the square is increased by 25%, then the area of the square will be increased by how much percent.
14. There is a garden of 140m×120 m and a gravel path is to be made of an equal wide all around it, so is to take up just one fourth of the garden. What must be the breadth of the garden?
15. A rectangle has 20 cm as its length and 200 sqcm as its area. If the area is increased by 1 1/5 times the original area by increasing its length. Then the perimeter of the rectangle so formed.

1) 289 sq m
2) 20m
3) 240 sq m
4) 6 cm
5) 30 cm
6) 288m
7) 10%
8) 17m
9) 2520 sq.m
10) Rs. 1280
11) Rs. 5970
12) 32 cm
13) 56.25%
14) 8.65 m
15) 68 cm