

1. The length and breadth of a rectangle are 10cm and 8cm respectively. Find its perimeter if the length and breadth are (i) doubled (ii) halved.
2. A copper wire of length 44cm is to be bent into a square and a circle. Which will have a larger area?
3. The length and breadth of a rectangle are in the ratio $4:3$. If its perimeter is 154cm , find its length and breadth.
4. The area of a rectangle is 544cm^2 . If its length is 32cm , find its breadth.
5. The areas of a rectangle and a square are equal. If the length of the rectangle is 16cm and breadth is 9cm , find the side of the square.
6. If the lengths of the diagonals of a rhombus are 16cm and 12cm , find its area.
7. If the diagonals of a rhombus are 12cm and 5cm , find the perimeter of the rhombus.
8. The volume of a box is 13400cm^3 . The area of its base is 670cm^2 . Find the height of the box.
9. Two cubes are joined end to end. Find the volume of the resulting cuboid, if each side of the cubes is 6cm .
10. How many bricks each 25cm by 15cm by 8cm , are required for a wall 32m long, 3m high and 40cm .
11. The area of a trapezium is 400cm^2 , the distance between the parallel sides is 16cm . If one of the parallel sides is 20cm , find the length of the other side.
12. Three metal cubes of sides $6\text{cm}, 8\text{cm}$ and 10cm are melted and recast into a big cube. Find its total surface area.