ASSIGNMENT
CHAPTER-11

1. The length, breadth and height of a cuboid are 20 cm, 15 cm, 10 cm respectively. Find its total surface area.
2. In a building there are 24 cylindrical pillars with each having a radius 28 cm and height 4 m. Find the cost of painting the curved surface area of all pillars at the rate of Rs. 8 per meter square.
3. Find the height of cylinder whose radius is 7 cm and total surface area is 968 cm^2.
4. A box is in the form of cuboid of dimensions (80*30*40) cm. The base the side faces and back faces are to be covered with a coloured paper. Find the area of paper needed.
5. The lateral surface area of a hollow cylinder is 4224 cm^2. It is cut along its height and formed a rectangular sheet of width 33 cm. find the perimeter of rectangular sheet.
6. A roller takes 750 complete revolutions to move once over a level of road. Find the area of road if the diameter of the roller is 84 cm and length is 1 m.

7. If each side of a cube is doubled, how many times will its surface area increase?
8. Find the height of a cuboid whose base area is 180 cm^2 and volume is 900 cm^3.
9. A cuboid is of dimensions (60*50*30)cm.How many small cubes with side 6 cm can be placed in the given cuboid?
10. Find the height of the cylinder whose volume is 1.54 m^3 and diameter of base is 140 cm.
11. Find the area of trapezium where length of parallel sides are 15 cm and 25 cm and the third side measures 12 cm.
12. Find the area of rhombus whose diagonals are 8cm and 10cm.
13. If each side of a cube is doubled, how many times will its volume increase?
14. A rectangular sheet of paper is having measures 11 cm* 4 cm. it is folded without overlapping to make a cylinder of height 4 cm. Find the volume of the cylinder.