

Doon Public School

Sector-21, Panchkula

Assignment – 4

Subject: Mathematics

Class: IX

Date: 30 -10 -2018

Answer the following questions

1. Find the latest surface area of a cube whose edge is 11 cm .
2. Find the side of a cube whose total surface area is 486 cm^2 .
3. The floor of a rectangular hall has a perimeter 150 m . If the cost of painting the four walls at the rate of $\text{₹ } 10$ per m^2 is $\text{₹ } 9000$, Find the height of the wall .
4. Two cubes of edge 6 cm are joined to form a cuboid. Find the total surface area of the cuboid.
5. The length, breadth and height of a room are 5 m , 4 m and 3 m respectively. Find the total cost of whitewashing the ceiling at the rate of $\text{₹ } 12$ per m^2 and four walls at the rate of $\text{₹ } 10$ per m^2 .