

YugVanta

Class 10 Maths Part 2

7. Mensuration

SET A (Easy Level | Maharashtra Board)

1. Find the surface area of a cube whose side is 7 cm.
2. The radius of a sphere is 14 cm. Find its surface area and volume.
3. A cylinder has a radius of 5 cm and height 10 cm. Find its curved surface area and total surface area.
4. Find the volume of a cone whose radius is 4 cm and height is 9 cm.
5. A cuboid has length 10 m, breadth 5 m and height 4 m. Find its total surface area.
6. Find the lateral surface area of a cylinder whose height is 12 cm and diameter is 14 cm.
7. Find the volume of a cube whose surface area is 216 cm^2 .
8. The height of a cone is 15 cm and the slant height is 17 cm. Find its curved surface area.
9. A sphere of radius 6 cm is melted and recast into smaller spheres each of radius 2 cm. Find how many smaller spheres are formed.
10. Find the total surface area of a right circular cone whose height is 24 cm and radius of base is 7 cm.
11. Find the volume of a hemisphere of radius 10 cm.
12. A cuboid is 20 cm long, 12 cm wide and 10 cm high. Find its volume.
13. The radius and height of a cylinder are 7 cm and 15 cm respectively. Find the total surface area.
14. A solid sphere of radius 14 cm is melted and recast into 7 smaller spheres of equal size. Find the radius of each smaller sphere.
15. Find the height of a cylinder whose volume is 462 cm^3 and radius is 7 cm.
16. A cone has a radius of 3.5 cm and slant height of 7 cm. Find its total surface area.
17. Find the volume of a cuboid whose surface area is 94 cm^2 and dimensions are 5 cm, 3 cm and 2 cm.
18. A metal sphere of radius 6 cm is melted and recast into a cylinder of height 9 cm. Find the radius of the cylinder.
19. Find the volume of water contained in a cylindrical tank of radius 14 cm and height 50 cm.
20. The surface area of a sphere is 154 cm^2 . Find its radius and volume.