

1) An aquarium is in the form of a cuboid whose external measures are $80\text{ cm} \times 30\text{ cm} \times 40\text{ cm}$. The base, side faces and back face are to be covered with a colour paper. Find the area of the paper needed?

2) In a building there are 24 cylindrical pillars. The radius of each pillar is 28 cm and height is 4 m . Find the total cost of painting the curved surface area of all pillars at the rate of $\text{₹ } 8$ per m^2 .

3) Find the height of a cylinder whose radius is 7 cm and total surface area is 968 cm^2 .

4) Find the height of a cuboid whose volume is 275 cm^3 and base area is 25 cm^2 .

5) A godown is in the form of a cuboid of measures $60\text{m} \times 40\text{m} \times 30\text{m}$. How many cuboidal boxes can be stored in it if volume of one box is 0.8 m^3 ?

6) A rectangular paper of width 14 cm is rolled along its width and a cylinder of radius 20 cm is formed. Find the volume of the cylinder.

7) A rectangular piece of paper $11\overset{\text{cm}}{\times} 4\text{ cm}$ is rolled without overlapping to make a cylinder of height 4 cm . Find the volume of the cylinder.