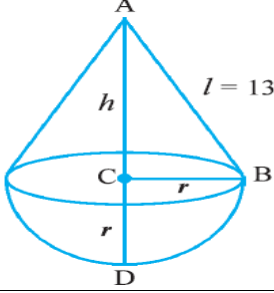


1	How many square meters of cloth is required to prepare four conical tents of diameter 8 m and height 3 m. ( $\pi = 3.14$ )
Ans:	251.2m <sup>2</sup>
2	A cylinder has hemispherical ends having radius 14 cm and height 50 cm. Find the total surface area.
Ans:	6864cm <sup>2</sup>
3	A box is made up of a cylinder surmounted by a cone. The radius of the cylinder and cone is 12 cm and slant height of the cone is 13 cm. The height of the cylinder is 11 cm. Find the curved surface area of the box.
Ans	130cm <sup>2</sup>
4	A metallic cylinder has diameter 1 m and height 3.2 m. Find the cost of painting its outer surface at the rate of ₹ 35 per square meter. ( $\pi = 3.14$ )
Ans:	Rs. 406.63
5	The total surface area of a solid composed of a cone with hemispherical base is 361.1 cm <sup>2</sup> . ( $\pi = 3.14$ ) The dimension are shown in figure 14.9. Find the total height of the solid.
	
Ans:	17cm
6	How many balls of radius 0.5 cm can be prepared by melting a metal cylinder of radius 5 cm and height 7 cm ?
	1050
7	A hemispherical tank full of water is emptied by a pipe at the rate of $14\frac{2}{7}$ litres per second. How much time will it take to empty three fourth of the tank, if it is 4 m in diameter ?
Ans:	880sec
8	A 30 m deep cylindrical well with diameter 7 m is dug and the soil obtained by digging is evenly spread out to form a platform 30 m × 10 m. Find the height of the platform.
Ans:	3.85m
9	How many spherical balls of diameter 0.5 cm can be cast by melting a metal cone with radius 6 cm and height 14 cm ?
Ans:	1008
10	<b>Select a proper option (a), (b), (c) or (d) from given options</b>
	<p>(1) The volume of sphere with diameter 1 cm is ..... cm<sup>3</sup>. <span style="float: right;"><input type="checkbox"/></span></p> <p>(a) <math>\frac{2}{3}\pi</math>                      (b) <math>\frac{1}{6}\pi</math>                      (c) <math>\frac{1}{24}\pi</math>                      (d) <math>\frac{4}{3}\pi</math></p> <p>(2) The volume of hemisphere with radius 1.2 cm is ..... cm<sup>3</sup>. <span style="float: right;"><input type="checkbox"/></span></p> <p>(a) 1.152π                      (b) 0.96π                      (c) 2.152π                      (d) 3.456π</p> <p>(3) The volume of sphere is <math>\frac{4}{3}\pi</math> cm<sup>3</sup>. Then its diameter is ..... cm. <span style="float: right;"><input type="checkbox"/></span></p> <p>(a) 0.5                      (b) 1                      (c) 2                      (d) 2.5</p> <p>(4) The volume of cone with radius 2 cm and height 6 cm is ..... cm<sup>3</sup>. <span style="float: right;"><input type="checkbox"/></span></p> <p>(a) 8π                      (b) 12π                      (c) 14π                      (d) 16π</p>