SURFACE AREA OF CYLINDERS WORKSHEETS

1. To find the surface area of a cylinder we need to have:
a) Its height and diameter
b) Its height and radius
c) The surface area of its base
d) a) or b)

2. To find the surface area of the walls of a cylinder, we need to have its:

a) Height
b) Diameter
c) Radius to height ratio
d) Both a) and b)

3. Match the following:

a-Cube   p- radius and height should be given

b-Cylinder   q- any of the four sides should be given

c-Square   r-length, width, and height should be given

d-cuboid   s-one of three sides should be given

4. A cylinder has a surface area of 450 sq ft. If the area of its base is 120 sq ft. Its curved surface area is:

a) 165 sq ft
b) 330 sq ft
c) 210 sq ft
d) 220 sq ft

5.Surface area of a cylinder is 190 sq m. Its radius is 3 m. Height of the cylinder is_____.

6. It is required to paint all the surfaces of a cylinder of height 20 inch and radius 6 inch. Find the total area that needs to be painted.

7. A cylindrical candle has a surface area of 275.67 sq units. If its radius = 4.5 units, find the   height of the candle.

8. A chamber is in the form of a cylinder. The surface area of the chamber is 1500 sq ft. If its curved surface area is 1200 sq ft. Find the area of its base:

   a) 100 sq ft
   b) 300 sq ft
   c) 150 sq ft
   d) 350 sq ft

9. A toy is in the shape of a cylinder. The height and radius of the toy are 50 inches and 10 inches respectively. Find the surface area of the toy.

10. A water bottle is in the form of a cylinder. The dimensions of the bottle are: height = 12 inches and base radius = 2 inches respectively. What is the surface area of the water bottle?

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ANSWERS

Answers

1.d) a) or b)	2. d)Both a) and b)	3. a- s b- p c- q d- r	4. c) 210 sq ft	5. 7.1m
6. 980.2sq. in	7. 15 units	8. c)150 sq ft	9.3769.9 sq. in	10.175.9 sq. in