

Download What Is Curved Surface Area

Curved Surface Area of a Cylinder. The radius of the circular cross-section is called the radius of the cylinder, and the straight line that passes through the centre of each circular cross-section is called the axis of the cylinder. The length of the axis is called the height of the cylinder. The radius and height of the cylinder are represented by r and h respectively. Total surface area of a hemisphere is the circular top of a hemisphere + curved surface area of a hemisphere. Curved Surface Area of a Cone. Since the circumference of the base of the cone is $2\pi r$, therefore the arc length of the sector of the circle is $2\pi r$. Curved surface area = Area of sector OAA' . Curved surface area = $(\text{Arc length of sector} / \text{Circumference of circle}) \times \text{Area of circle}$. Curved surface area = $2\pi r \times \frac{1}{2} \times r = \pi r l$. Best Answer: The curved surface area would only be relevant on a curved shape, such as a cone or a cylinder. The curved surface area of one of these shapes would be the area of the outside of the curved part, NOT the flat end (s). Total surface area would be the sum of the curved surface area plus the area of flat surfaces (ends). - What Is Curved Surface Area