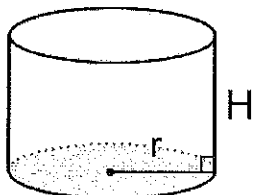


Surface Area and Volume

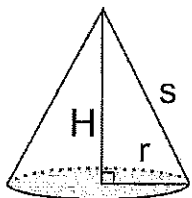
Right Circular Cylinder



$$\text{Surface Area} = (2 \pi r^2) + (\pi 2r H)$$

$$\text{Volume} = \pi r^2 H$$

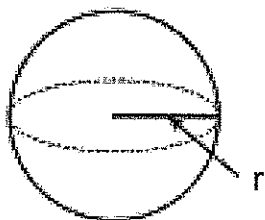
Right Circular Cone



$$\text{Surface Area} = (\pi r s) + (\pi r^2)$$

$$\text{Volume} = \frac{1}{3} \pi r^2 H$$

Sphere



$$\text{Surface Area} = 4 \pi r^2$$

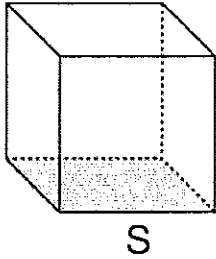
$$\text{Volume} = \frac{4}{3} \pi r^3$$

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Surface Area and Volume

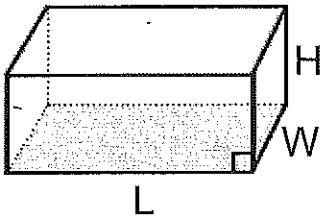
Cube



$$\text{Surface Area} = 6S^2$$

$$\text{Volume} = S^3$$

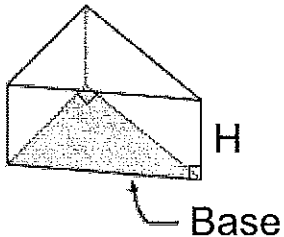
Rectangular Prism



$$\text{Surface Area} = 2LW + 2HW + 2LH$$

$$\text{Volume} = LWH$$

General Prisms



$$\text{Surface Area} = \text{Sum of the areas of the faces.}$$

$$\text{Volume} = \text{Area of base times height.}$$

