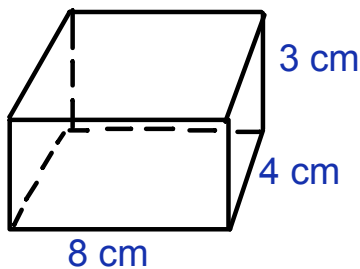
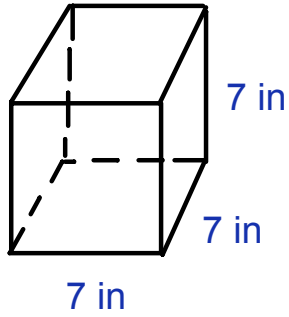


BAG Notes Lesson 11.3 "Volume of Prisms and Cylinders"

Volume - the measure of the space occupied by a solid.
units cubed (cm³, ft³, cubic inches)
 $V=Bh$ (where B is "area of the base" and h is the height
of the solid)



$$\begin{aligned} V &= Bh \\ 8 \times 4 & \quad V = lwh \\ 32 \times 3 & \\ 96 \text{ cm}^3 & \end{aligned}$$



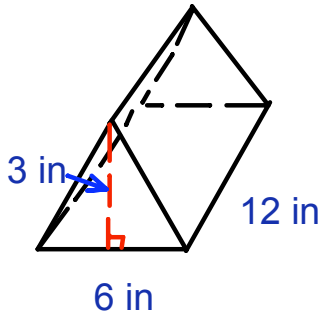
$$V = Bh$$

$$s \cdot s \cdot s$$

$$s^3$$

$$7 \cdot 7 \cdot 7$$

$$49 \cdot 7 = 343 \text{ in}^3$$



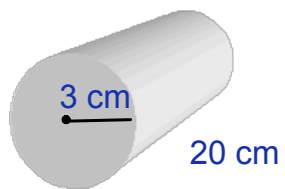
$$V = Bh$$

$$V = \frac{lw}{2} h$$

$$\frac{3 \cdot 6}{2}$$

$$9 \cdot 12$$

$$108 \text{ in}^3$$



$$V = Bh$$
$$V = \pi r^2 h$$
$$3^2$$
$$\pi \cdot 9$$
$$28.26 \cdot 20$$
$$565.2 \text{ cm}^3$$