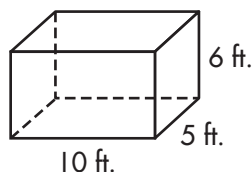


Lesson 6.4 Volume of Rectangular Solids

The **volume** (V) of a rectangular solid is the product of the measure of its length (ℓ), the measure of its width (w), and the measure of its height (h). $V = \ell \times w \times h$



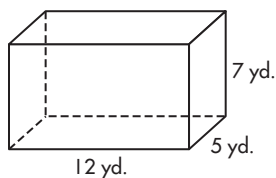
$$\begin{aligned} V &= 10 \times 5 \times 6 \\ &= 50 \times 6 \\ &= 300 \end{aligned}$$

The volume is 300 cubic feet.

Find the volume of each rectangular solid.

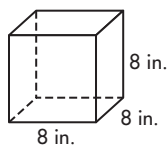
a

1.



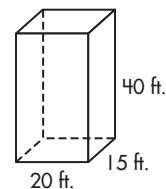
$$V = \underline{\hspace{2cm}} \text{ cu. yd.}$$

b



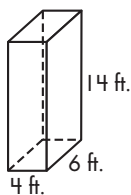
$$V = \underline{\hspace{2cm}} \text{ cu. in.}$$

c

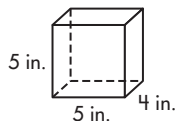


$$V = \underline{\hspace{2cm}} \text{ cu. ft.}$$

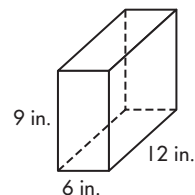
2.



$$V = \underline{\hspace{2cm}} \text{ cu. ft.}$$



$$V = \underline{\hspace{2cm}} \text{ cu. in.}$$



$$V = \underline{\hspace{2cm}} \text{ cu. in.}$$