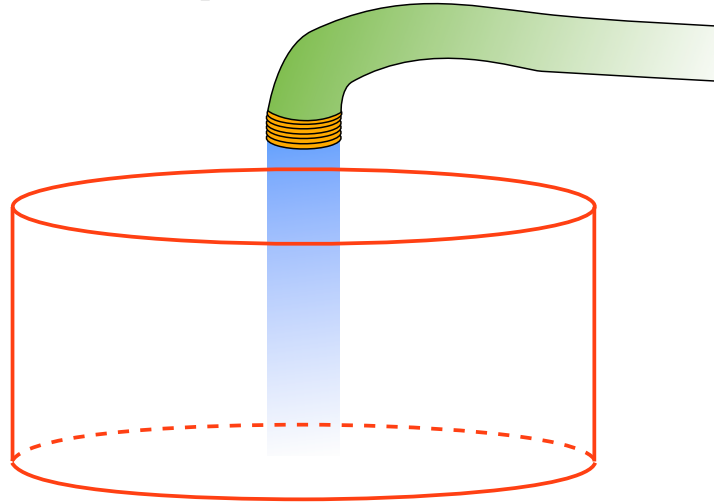


Volume

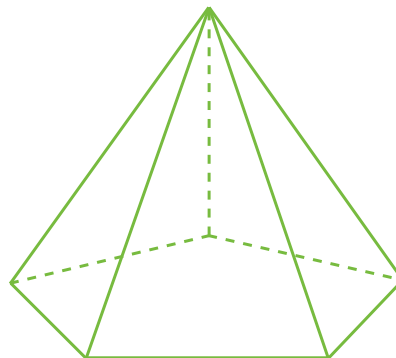
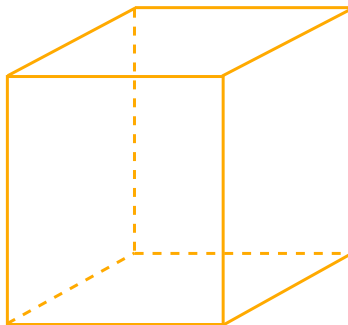
the measure of the amount of space enclosed by a three-dimensional figure

the amount **water** it
takes to fill the
cylinder represents
the **volume** of the
cylinder.



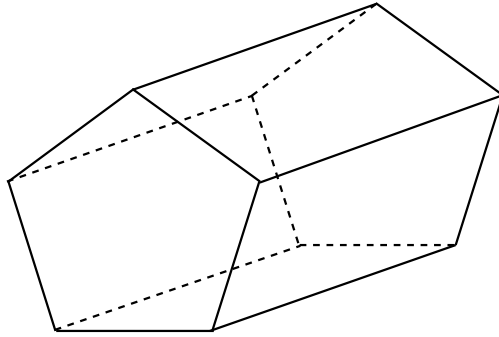
Volume

the measure of the amount of space enclosed by a three-dimensional figure



Prism

a **polyhedron** with exactly two congruent faces, called **bases**.
The other sides are called **lateral faces**.

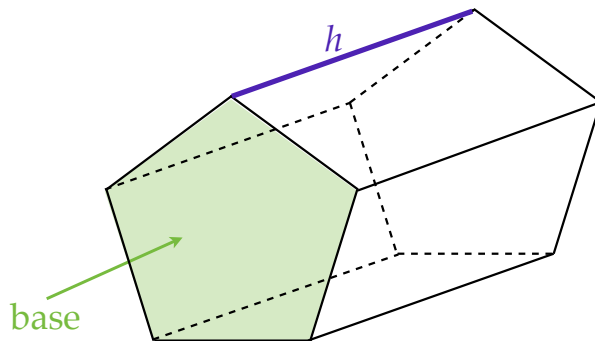


Prism

Volume of a Prism

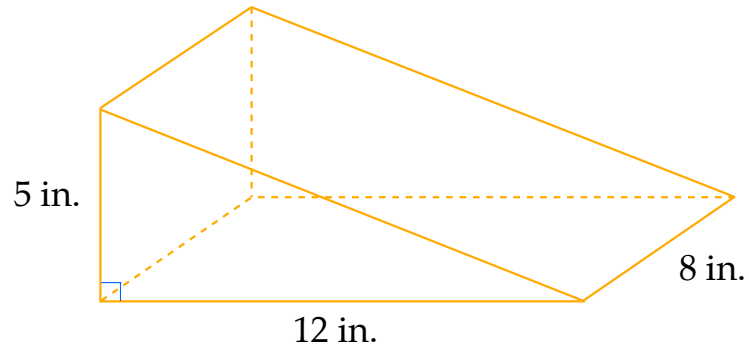
$$V = \text{Area of Base} \cdot \text{Height of Prism}$$

$$V = B \cdot h$$



Calculate the **Volume** of the following **Prisms**

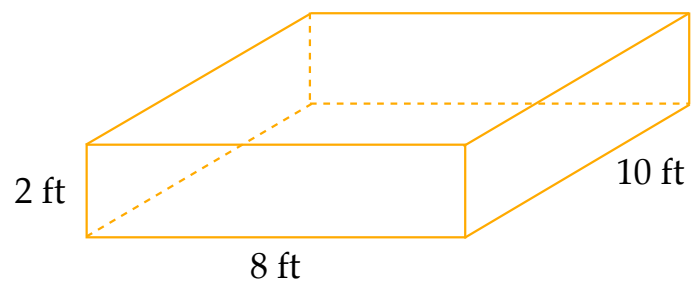
$$V = B \cdot h$$



Calculate the **Volume** of the following **Prisms**

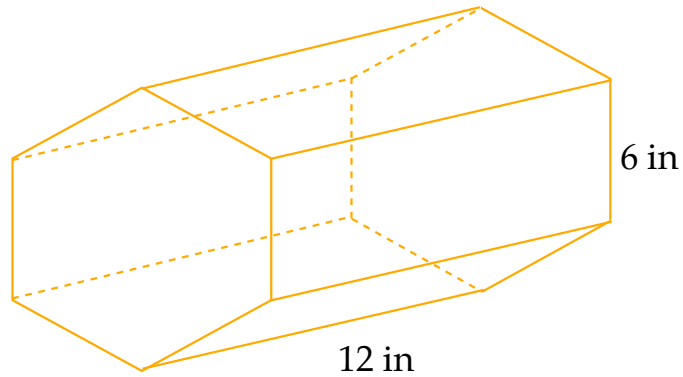
$$V = B \cdot h$$

$$V = 16 \cdot 10 = 160 \text{ ft}^3$$



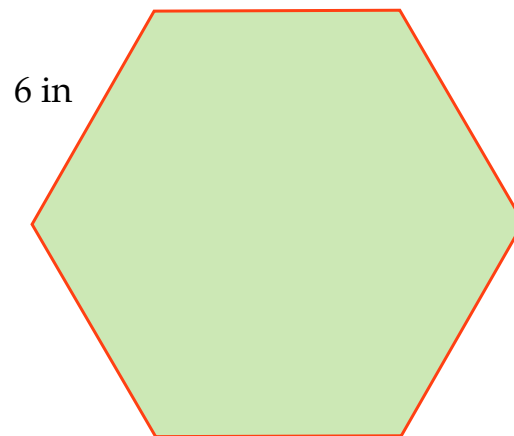
Calculate the **Volume** of the following **Prisms**

$$V = B \cdot h$$



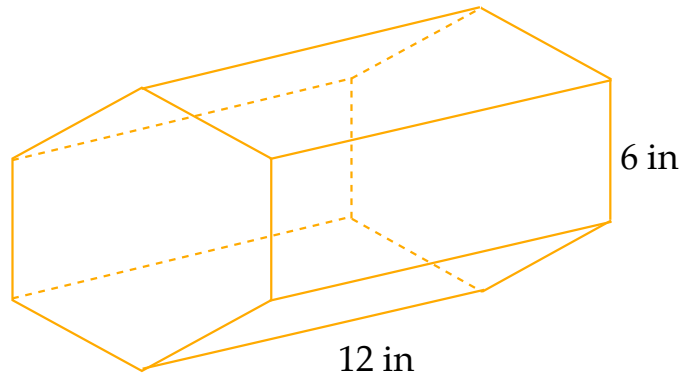
Find **Area** of the **Regular Hexagon**.

$$P = s \cdot n \quad A = \frac{1}{2} P \cdot a$$



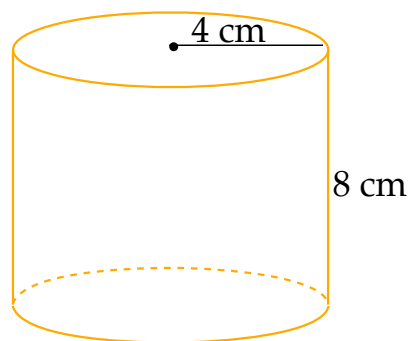
Calculate the **Volume** of the following **Prisms**

$$V = B \cdot h$$



Calculate the **Volume** of the following **Prisms**

$$V = B \cdot h$$



Prism

$$V = \text{Area of Base} \cdot \text{Height of Prism}$$

$$V = B \cdot h$$

