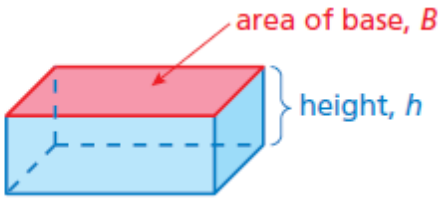
How to Find Volume of a Rectangular Prism

$$\boldsymbol{V = Bh}$$

$$Volume = (Area\ of\ Base) \times Height$$



The base of a rectangular prism is a rectangle. So you can also say

$$Volume = (Area\ of\ Base) \times Height$$

$$Volume = (Area\ of\ Rectangle) \times Height$$

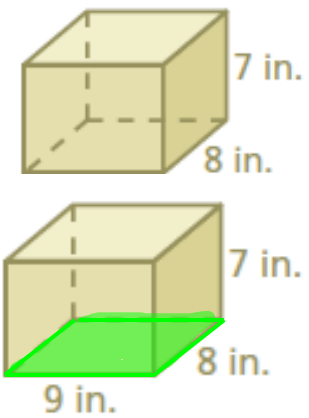
To find the area of a Rectangle, you would do:

Length x Width

Therefore this formula can also be written as

$$Volume = (Length\ \times\ Width)\ \times Height$$

EXAMPLE:



$V = Bh$

$Volume = (Area\ of\ Base) \times Height$

$V = (\boldsymbol{Length\ \times\ Width}) \times Height$

$V = (\mathbf{9\ \times 8}) \times 7$

$V = \mathbf{72}\ \times 7$

$V = 504\ in^3$