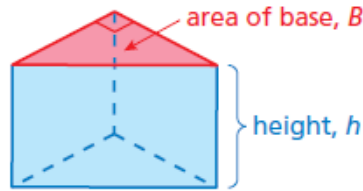


How to Find Volume of a Triangular Prism

$$V = Bh$$

$$\text{Volume} = (\text{Area of Base}) \times \text{Height}$$



The base of a Triangular Prism is a triangle. So you can also say

$$\text{Volume} = (\text{Area of Base}) \times \text{Height}$$

$$\text{Volume} = (\text{Area of Triangle}) \times \text{Height}$$

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

$$A = \frac{1}{2}bh$$

The lowercase "b" stands for the base of the triangle.

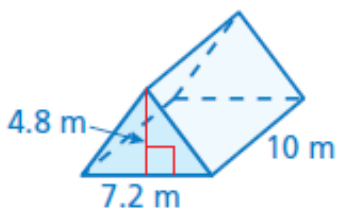
The lowercase "h" stands for the height of the triangle.

The height of a triangle must be **straight up and down** and not slanted

Therefore this formula can also be written as

$$\text{Volume} = \left(\frac{1}{2}bh\right) \times \text{Height}$$

EXAMPLE:



$$V = Bh$$

$$\text{Volume} = (\text{Area of Base}) \times \text{Height}$$

$$V = \left(\frac{1}{2}bh\right) \times \text{Height}$$

$$V = \left(\frac{1}{2} \times 7.2 \times 4.8\right) \times 10$$

$$V = 17.28 \times 10$$

$$V = 172.8 \text{ m}^3$$

