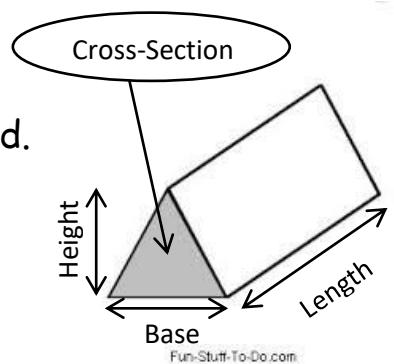


Volume of Triangular Prisms

The **VOLUME** of a **TRIANGULAR PRISM** is found by finding the **AREA** of the cross-section and then multiplying by the length. Volume units are **always** cubed.

The formulae:-

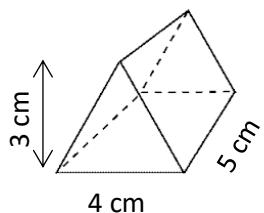
$$\text{VOLUME} = \text{AREA OF CROSS-SECTION} \times \text{LENGTH}$$



The area of the Cross-Section is the area of a Triangle, $A = \frac{(b \times h)}{2}$

Finding the **VOLUME** of a **TRIANGULAR PRISM**.

Example



$$\begin{aligned} V &= \frac{b \times h}{2} \times l \\ &= \frac{4 \times 3}{2} \times 5 \\ &= 6 \times 5 \\ &= 30 \text{ cm}^3 \end{aligned}$$

SECTION 2 : Calculate the **Volume** for each shape.

