

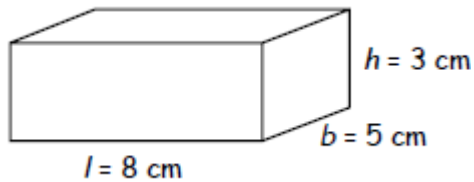
Volume

Volume of a Cuboid

$$V = l \times b \times h$$

Example:

Find the volume of this cuboid



$$V = l \times b \times h$$

$$V = 8 \times 5 \times 3$$

$$V = 120 \text{ cm}^3$$

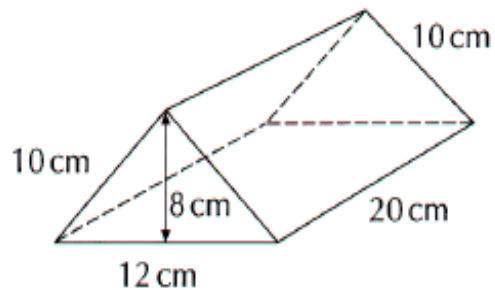
Volume of a Prism

$$V = A \times h$$

Where A is the area of the face and h is the height of the prism

Example:

Find the volume of this triangular prism



$$V = A \times h$$

Find area of triangular face :

$$A = \frac{1}{2} \times b \times h$$

$$A = \frac{1}{2} \times 12 \times 8$$

$$A = 48 \text{ cm}^2$$

Find volume:

$$V = 48 \times 20$$

$$V = 960 \text{ cm}^3$$