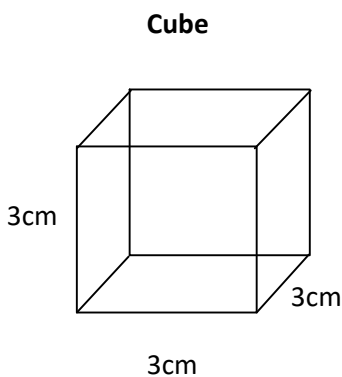


M8 - 7.1 - Quadrilateral Volume Notes

Volume: equal to the area of the base time height: " $V = (\text{area of base}) \times (\text{height})$ ".
The base must be the same as the top.

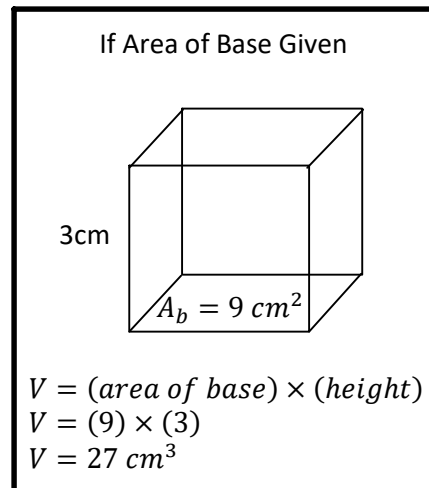


Volume

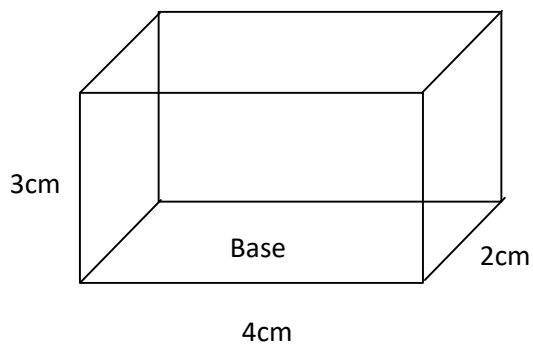
$$V = (\text{area of base}) \times (\text{height})$$
$$V = (l \times w) \times (h)$$
$$V = lwh$$

$$V = lwh$$
$$V = 3 \times 3 \times 3$$

$$V = 27\text{cm}^3$$



Rectangular Prism



Volume

$$V = (\text{area of base}) \times (\text{height})$$
$$V = (l \times w) \times (h)$$
$$V = lwh$$

$$V = lwh$$
$$V = 4 \times 2 \times 3$$

$$V = 24\text{cm}^3$$

Notice: the formula for the volume of a cube and a rectangular prism is just: $V = lwh$.