



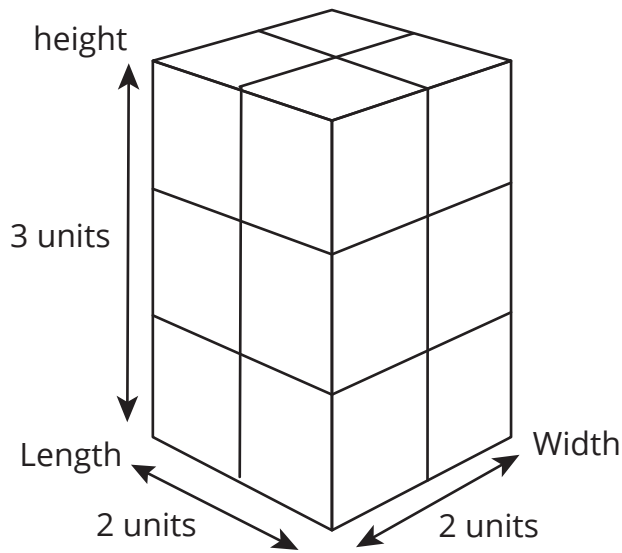
Modeling Rectangular Prisms 2

Name: _____

Date: _____

Directions: Complete the equation for each exercise and sketch your rectangular prism. Reference the [**Volume = length × width × height**] (also known as) [**V = l × w × h**] equation. The first exercise is an example. Note: There may be more than one combination of factors!

EXAMPLE: $12 u^3 = l \times w \times h$; Volume $12 u^3 = 2 \text{ units} \times 2 \text{ units} \times 3 \text{ units}$



1. $20 u^3 = 4 \times w \times h$ Volume $20 u^3 = 1 \text{ unit} \times \underline{\quad} \text{ units} \times \underline{\quad} \text{ units}$

2. $15 u^3 = 3 \times w \times h$ Volume $15 u^3 = 3 \text{ unit} \times \underline{\quad} \text{ units} \times \underline{\quad} \text{ units}$



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3. $18 u^3 = l \times w \times h$ Volume $18 u^3 =$ ___ units \times ___ units \times ___ units

4. $4 u^3 = 1 \times w \times h$ Volume $4 u^3 =$ 1 units \times ___ units \times ___ units

Connections: What does it mean to be whole?
