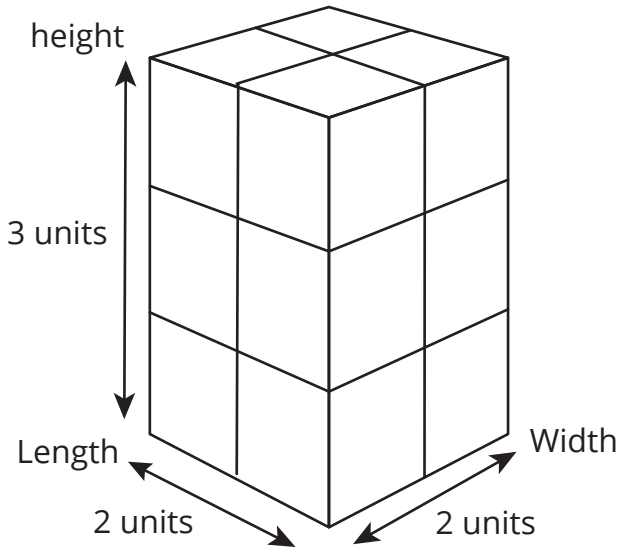
Modeling Rectangular Prisms 2

Answers

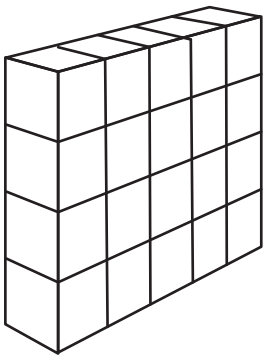
Name:_____ Date:_____

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!

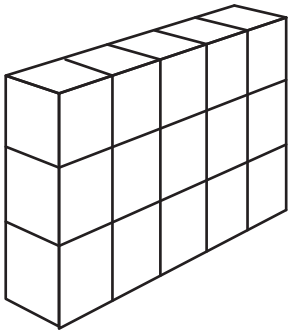
EXAMPLE: 12 u^3 = l × w × h; Volume 12 u^3 = 2 units × 2 units × 3 units



1. 20 u^3 = 4 × w × h Volume 20 u^3= 1 unit × 4 units × 5 units
[can include: (1, 2, 10) and (1, 20, 1)



2. 15 u^3 = 3 × w × 1 Volume 15 u^3 = 3 unit × 5 units × 1 units



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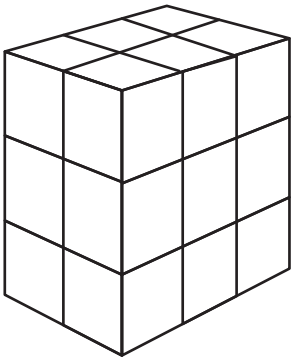
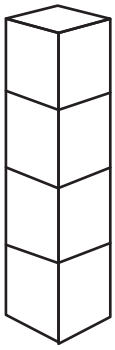
3. $18\ u^3 = l \times w \times h$ Volume $18\ u^3$ = 2 units × 3 units × 3 units
[can include: (1, 1, 18) and (6,3,1)



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



Connections: What does it mean to be whole?

ANSWERS MAY VARY, but can include any description that articulates missing parts in relation to a greater composition.