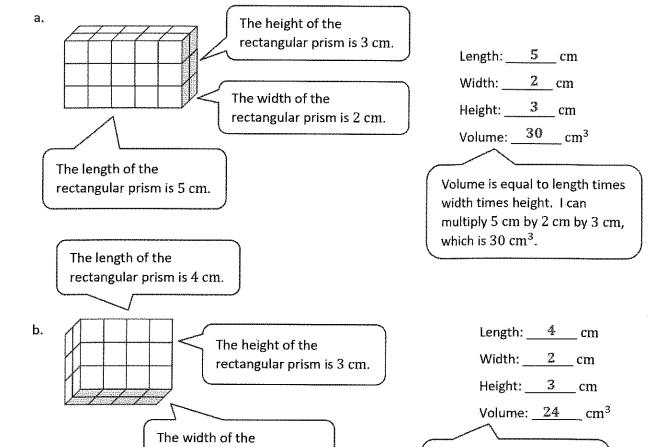
G5-M5-Lesson 4

1. Each rectangular prism is built from centimeter cubes. State the dimensions, and find the volume.

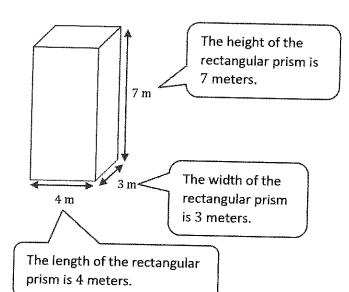


- 2. Write a multiplication sentence that you could use to calculate the volume for each rectangular prism in Problem 1. Include the units in your sentences.
 - a. $5 \text{ cm} \times 2 \text{ cm} \times 3 \text{ cm} = 30 \text{ cm}^3$ b. $4 \text{ cm} \times 2 \text{ cm} \times 3 \text{ cm} = 24 \text{ cm}^3$

Volume = $l \times w \times h$. I can multiply 4 cm by 2 cm by 3 cm, which is 24 cm³.

rectangular prism is 2 cm.

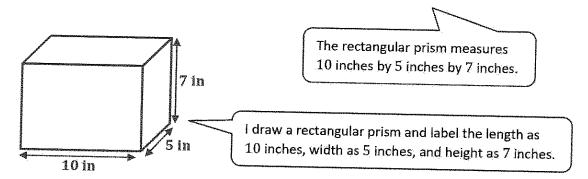
3. Calculate the volume of each rectangular prism. Include the units in your number sentences.



$$V = \underline{\qquad} 4 \text{ m} \times 3 \text{ m} \times 7 \text{ m} = 84 \text{ m}^3$$

I multiply the 3 dimensions together to find the volume.

4. Meilin is constructing a box in the shape of a rectangular prism to store her small toys. It has a length of 10 inches, a width of 5 inches, and a height of 7 inches. What is the volume of the box?



 $Volume = length \times width \times height$

 $V = 10 \text{ in} \times 5 \text{ in} \times 7 \text{ in} = 350 \text{ in}^3$

The volume of the box is 350 cubic inches.