

Worksheet 2: Symbol Use- Calculating Area and Volume

Area:

$$\text{length} \times \text{width} = \text{area}$$

$$\begin{array}{c} \text{_____} \\ \text{Length} \end{array} \times \begin{array}{c} \text{_____} \\ \text{Width} \end{array} = \begin{array}{c} \text{_____} \\ \text{Area} \end{array}$$

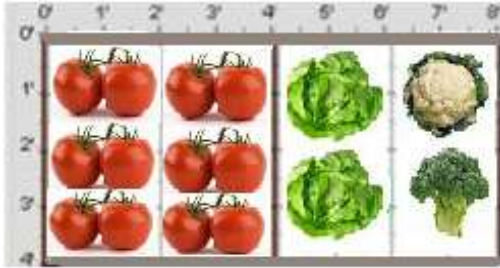
Volume:

$$\text{length} \times \text{width} \times \text{height} = \text{volume}$$

$$\begin{array}{c} \text{_____} \\ \text{Length} \end{array} \times \begin{array}{c} \text{_____} \\ \text{Width} \end{array} \times \begin{array}{c} \text{_____} \\ \text{Height} \end{array} = \begin{array}{c} \text{_____} \\ \text{Volume} \end{array}$$

Worksheet 2: Generalization

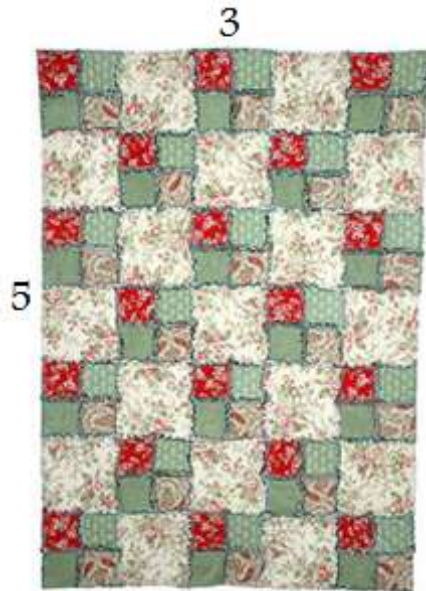
Betty has a garden where she plants tomatoes, lettuce, cauliflower, and broccoli. Her garden is 8 feet by 4 feet. What is the area of her garden?



$$\underline{\hspace{2cm}} \times \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

Length Width Area

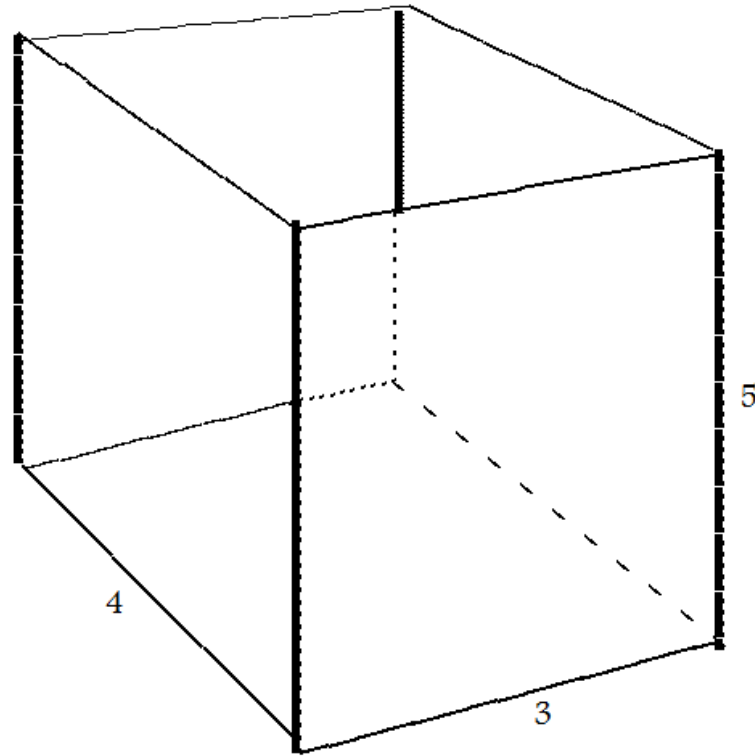
Jerry is making a quilt. He has cut a piece of fabric that is 3 feet by 5 feet that he will cover in quilt squares. What is the area of his quilt?



Area = length x width

Area = _____

What is the volume of the box shown below?



length x width x height = volume

$$\begin{array}{ccccccc} \underline{\hspace{2cm}} & \times & \underline{\hspace{2cm}} & \times & \underline{\hspace{2cm}} & = & \underline{\hspace{2cm}} \\ \text{length} & & \text{width} & & \text{height} & & \text{volume} \end{array}$$

Josie got a new aquarium. She needs to know the volume of the aquarium to know how much water to put in and how many fish to buy. What is the volume of the aquarium shown below?



10 length x width x height = volume

Volume = _____