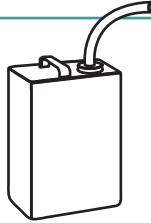


Answers**More than One: Multiplication**

What happens when you need to find the volume for more than one item? You can use multiplication to find the volume of multiple containers. See the example below.

Directions: Read the problems below. Find the total volume for each problem.

Example: A gasoline container measures 3 inches by 6 inches by 18 inches. If there are two gasoline containers, what is the total volume of these two containers?



$$\frac{3 \text{ in}}{\text{(length)}} \times \frac{6 \text{ in}}{\text{(width)}} \times \frac{18 \text{ in}}{\text{(height)}} = \underline{324 \text{ in}^3}$$

Now, take the volume (answer) from above and multiply it by 2 since there are 2 gas cans.

$$\underline{324 \text{ in}^3} \times \underline{2} = \underline{648 \text{ in}^3}$$

- Eight jewelry boxes that measure 6 inches long, 3 inches wide, and 5 inches tall.

$$720 \text{ in}^3$$

- Three dishes that measure 8 inches by 8 inches by 4 inches.

$$768 \text{ in}^3$$

- Two hat boxes that measure 7 inches by 9 inches by 8 inches.

$$1008 \text{ in}^3$$

- Five cereal boxes that are 8 inches long, 3 inches wide, and 12 inches tall.

$$1440 \text{ in}^3$$

- Four suitcases that are 4 feet long, 1 foot wide, and 5 feet tall.

$$80 \text{ ft}^3$$