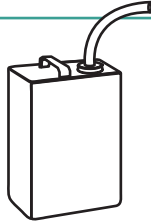# More than One: Multiplication

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?

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

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

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

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

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

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

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

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