Name_____ Date_____ Period_____

**LESSON 5-5 · SESSION 1 · PREREQUISITE PRACTICE A · SKILL 1 OF 2**

# Multiply Three Factors

Builds on Grade 5 · 5.NBT.B.5

| | |
|---|---|
| **TODAY'S LESSON** | You will find volume by multiplying three edges, like 26 × 11 × 2 for the sandbox. |
| **YOU NEED TO** | Multiply three numbers, like 2 × 23 × 5. **You will use it in Practice Form A, problems 1, 4, and 5.** |

## STEPS TO FOLLOW

*use these same steps on every problem*

1. **Look** for a friendly pair, like 5 × 2 or 25 × 4.
2. **Multiply** the friendly pair first.
3. **Multiply** that answer by the third number.

## WATCH ME

*the steps in action*

**Find 2 × 23 × 5.**

**Step 1** Friendly pair: 2 and 5.

**Step 2** 2 × 5 = 10.

**Step 3** 10 × 23 = 230.

**Answer** **230**

## TRY IT WITH HELP

*fill in each step*

**1.** Find 25 × 9 × 4.

**Step 1** Friendly pair: _____ and _____

**Step 2** 25 × 4 = _____

**Step 3** 100 × 9 = _____

**2.** Find 5 × 17 × 2.

**Step 1** Friendly pair: _____ and _____

**Step 2** 5 × 2 = _____

**Step 3** 10 × 17 = _____

## YOUR TURN

*use the steps on your own*

**3.** Find a friendly pair first. Then multiply.

**a.** 4 × 13 × 25 = _____

**b.** 15 × 8 × 2 = _____

**c.** 50 × 7 × 2 = _____

**d.** 6 × 5 × 14 = _____

**e.** 5 × 11 × 4 = _____

**f.** 2 × 9 × 5 = _____

# Square Units vs. Cubic Units

Builds on Grade 5 · 5.MD.C.3

| | |
|---|---|
| **TODAY'S LESSON** | You will label every volume in cubic units, like $ft^3$ or $cm^3$. |
| **YOU NEED TO** | Pick the right unit: cm, $cm^2$, or $cm^3$. **You will use it in Practice Form A, problems 1 and 6.** |

## STEPS TO FOLLOW

*use these same steps on every problem*

1. **Count** the lengths that are multiplied.
2. **Pick** the unit: 1 length cm, 2 lengths $cm^2$, 3 lengths $cm^3$.
3. **Multiply**. Write the number with its unit.

## WATCH ME

*the steps in action*

**4 m × 3 m × 2 m = ?**

**Step 1** 3 lengths are multiplied.

**Step 2** 3 lengths: use $m^3$.

**Step 3** 4 × 3 × 2 = 24, so 24 $m^3$.

**Answer** **24 $m^3$**

## TRY IT WITH HELP

*fill in each step*

**4.** 6 ft × 4 ft = ?

**Step 1** Lengths multiplied: _____

**Step 2** Unit: _____

**Step 3** 6 × 4 = _____

**5.** 5 cm × 2 cm × 3 cm = ?

**Step 1** Lengths multiplied: _____

**Step 2** Unit: _____

**Step 3** 5 × 2 × 3 = _____

## YOUR TURN

*use the steps on your own*

**6.** Find each answer. Write its unit.

**a.** 4 cm × 5 cm _____

**b.** 2 m × 3 m × 4 m _____

**c.** 9 ft × 2 ft _____

**d.** 10 cm × 3 cm × 2 cm _____

## READY CHECK

*a problem like the one in today's lesson*

**7.** A box is 10 cm by 4 cm by 3 cm. Which is its volume?

**A** 40 $cm^2$ **B** 120 $cm^2$ **C** 120 $cm^3$ **D** 17 cm

**CHECK YOURSELF** ☐ I can do this on my own ☐ I need a little help ☐ I have a question about #____