Name_____ Date_____ Period_____

**LESSON 6-3 · SESSION 1 · PREREQUISITE PRACTICE B · SKILL 1 OF 2**

# Multiply by 10 Repeatedly

Builds on Grade 5 · 5.NBT.A.2

| | |
|---|---|
| **TODAY'S LESSON** | A square patio has 10 × 10 tiles. You will write it as a power of 10. |
| **YOU NEED TO** | Multiply 10 by itself, like 10 × 10 × 10 = 1,000. **You will use it in Practice Form A, problem 2.** |

## STEPS TO FOLLOW

*use these same steps on every problem*

1. **Count** the 10s being multiplied.
2. Write a **1**.
3. Write that many **zeros** after the 1.

## WATCH ME

*the steps in action*

**Find 10 × 10 × 10 × 10.**

**Step 1** There are 4 tens.

**Step 2** Write 1.

**Step 3** Write 4 zeros: 10,000.

**Answer** **10,000**

## TRY IT WITH HELP

*fill in each step*

**1.** Find 10 × 10.

**Step 1** There are _____ tens.

**Step 2** Write a _____.

**Step 3** Write _____ zeros: _____

**2.** Find 10 × 10 × 10 × 10 × 10.

**Step 1** There are _____ tens.

**Step 2** Write a _____.

**Step 3** Write _____ zeros: _____

## YOUR TURN

*use the steps on your own*

**3.** Find each product.

**a.** 10 × 10 × 10 = _____

**b.** 10 × 10 × 10 × 10 × 10 × 10 = _____

**c.** 10 × 10 = _____

**d.** 10 × 10 × 10 × 10 = _____

# Find the Area of a Square

Builds on Grade 4 · 4.MD.A.3

| | |
|---|---|
| **TODAY'S LESSON** | A square patio has 10 × 10 tiles. You will write this as $10^2$, "10 squared." |
| **YOU NEED TO** | Find the area of a square: side × side, like 6 × 6 = 36. **You will use it in Practice Form A, problem 2.** |

## STEPS TO FOLLOW

*use these same steps on every problem*

1. Find the **side** length.
2. Write **side × side**.
3. **Multiply**. Use square units.

## WATCH ME

*the steps in action*

**A square has sides of 6 cm. Find its area.**

**Step 1** The side is 6 cm.

**Step 2** 6 × 6.

**Step 3** 6 × 6 = 36.

**Answer** **36 square centimeters**

## TRY IT WITH HELP

*fill in each step*

**4.** A square has sides of 9 ft. Find its area.

**Step 1** The side is _____ ft.

**Step 2** _____ × _____

**Step 3** 9 × 9 = _____ square feet

**5.** A square has sides of 10 m. Find its area.

**Step 1** The side is _____ m.

**Step 2** _____ × _____

**Step 3** 10 × 10 = _____ square meters

## YOUR TURN

*use the steps on your own*

**6.** Find the area of each square.

**a.** side 3 in. _____

**b.** side 5 in. _____

**c.** side 7 in. _____

**d.** side 12 in. _____

## READY CHECK

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

**7.** A square patio has 10 tiles along each side. How many tiles cover the patio?

**A** 20 **B** 40 **C** 100 **D** 1,000

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