Name_____ Date_____ Period_____

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

Multiply Decimals

Builds on Grade 5 · 5.NBT.B.7

TODAY'S LESSON	You will find 0.6^2. That means 0.6 × 0.6.
YOU NEED TO	Multiply two decimals, like 0.6 × 0.6. **You will use it in Practice Form A, problems 1 and 7.**

STEPS TO FOLLOW

use these same steps on every problem

1. **Ignore** the decimal points. Multiply the whole numbers.
2. **Count** the decimal places in both factors.
3. Place the **point** so the answer has that many places.

WATCH ME

the steps in action

Find 0.6 × 0.6.

Step 1 6 × 6 = 36.

Step 2 1 place + 1 place = 2 places.

Step 3 0.36.

Answer **0.36**

TRY IT WITH HELP

fill in each step

1. Find 1.2 × 1.2.

Step 1 12 × 12 = _____

Step 2 1 place + 1 place = _____ places

Step 3 1.2 × 1.2 = _____

2. Find 0.3 × 0.3.

Step 1 3 × 3 = _____

Step 2 1 place + 1 place = _____ places

Step 3 0.3 × 0.3 = _____

YOUR TURN

use the steps on your own

3. Multiply.

a. 0.4 × 0.4 = _____ **b.** 0.5 × 0.5 = _____ **c.** 1.1 × 1.1 = _____

d. 0.2 × 0.2 = _____ **e.** 0.7 × 0.7 = _____ **f.** 0.9 × 0.9 = _____

Write Repeated Factors as Powers

Builds on Lesson 6-3 Session 1 · 6.EE.A.1

TODAY'S LESSON	To find the value of 2^5, first write it as $2 \times 2 \times 2 \times 2 \times 2$.
YOU NEED TO	Write a power as repeated factors, like $3^4 = 3 \times 3 \times 3 \times 3$. **You will use it in Practice Form A, problems 4 and 6.**

STEPS TO FOLLOW

use these same steps on every problem

1 The **base** is the number that repeats.

2 The **exponent** tells how many times.

3 **Write** the base that many times with × signs.

WATCH ME

the steps in action

Write 3^4 as repeated factors.

Step 1 The base is 3.

Step 2 The exponent is 4.

Step 3 $3^4 = 3 \times 3 \times 3 \times 3$.

Answer **$3 \times 3 \times 3 \times 3$**

TRY IT WITH HELP

fill in each step

4. Write 2^5 as repeated factors.

Step 1 The base is _____.

Step 2 The exponent is _____.

Step 3 2^5 = _____

5. Write 7^2 as repeated factors.

Step 1 The base is _____.

Step 2 The exponent is _____.

Step 3 7^2 = _____

YOUR TURN

use the steps on your own

6. Write each power as repeated factors.

a. 5^3 = _____

b. 10^4 = _____

c. 4^2 = _____

d. 6^3 = _____

READY CHECK

a problem like the one in today's lesson

7. A poster says $7^2 = 14$. What does 7^2 mean?

A $7 + 7$

B 7×2

C 7×7

D $2 \times 2 \times 2 \times 2 \times 2 \times 2 \times 2$

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