Name_____ Date_____ Period_____

LESSON 7-7 · SESSION 2 · PREREQUISITE PRACTICE A · SKILL 1 OF 2

Multiply Multi-Digit Numbers

Builds on Grade 5 · 5.NBT.B.5

TODAY'S LESSON	A parking pad is 36 ft by 27 ft, so its area is 36 × 27.
YOU NEED TO	Multiply two two-digit numbers, like 24 × 18. **You will use it in Practice Form A, problem 3.**

STEPS TO FOLLOW

use these same steps on every problem

1. **Split** the second number into tens and ones.
2. **Multiply** the first number by each part.
3. **Add** the two products.

WATCH ME

the steps in action

Find 24 × 18.

Step 1 18 = 10 + 8.

Step 2 24 × 10 = 240. 24 × 8 = 192.

Step 3 240 + 192 = 432.

Answer **432**

TRY IT WITH HELP

fill in each step

1. Find 36 × 27.

Step 1 27 = _____ + 7.

Step 2 36 × 20 = _____. 36 × 7 = _____.

Step 3 720 + 252 = _____.

2. Find 32 × 15.

Step 1 15 = 10 + _____.

Step 2 32 × 10 = 320. 32 × 5 = _____.

Step 3 320 + 160 = _____.

YOUR TURN

use the steps on your own

3. Multiply.

a. 12 × 25 = _____

b. 14 × 16 = _____

c. 23 × 12 = _____

d. 48 × 32 = _____

e. 45 × 16 = _____

f. 21 × 13 = _____

Find a Missing Side Length

Builds on Grade 4 · 4.MD.A.3

TODAY'S LESSON	A pen covers 384 ft². One side is 24 ft, so the other side is 384 ÷ 24.
YOU NEED TO	Divide the area by the side you know, like 3,600 ÷ 40. **You will use it in Practice Form A, problems 5 and 7.**

STEPS TO FOLLOW

use these same steps on every problem

1. **Write** area ÷ known side.
2. **Divide**. Cross off the same number of zeros in each first.
3. **Check**: other side × known side = area.

WATCH ME

the steps in action

A rectangle has an area of 3,600 m². One side is 40 m. Find the other side.

Step 1 3,600 ÷ 40.

Step 2 Cross off one zero in each: 360 ÷ 4 = 90.

Step 3 Check: 90 × 40 = 3,600.

Answer **90 m**

TRY IT WITH HELP

fill in each step

4. Area 2,400 ft². One side is 60 ft. Find the other side.

Step 1 _____ ÷ 60.

Step 2 Cross off one zero in each: 240 ÷ 6 = _____.

Step 3 Check: 40 × 60 = _____.

5. Area 192 ft². One side is 12 ft. Find the other side.

Step 1 192 ÷ _____.

Step 2 No zeros to cross off. 192 ÷ 12 = _____.

Step 3 Check: 16 × 12 = _____.

YOUR TURN

use the steps on your own

6. Find the other side of each rectangle.

a. Area 120, side 15 _____

b. Area 4,800, side 80 _____

c. Area 9,000, side 300 _____

d. Area 252, side 12 _____

e. Area 1,500, side 30 _____

f. Area 384, side 24 _____

READY CHECK

a problem like the one in today's lesson

7. A lot covers 20,000 ft². One side is 100 ft. How long is the other side?

A 19,900 ft **B** 200 ft **C** 2,000 ft **D** 20 ft

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