Name_____ Date_____ Period_____

LESSON 4-5 · SESSION 2 · PREREQUISITE PRACTICE A · SKILL 1 OF 2

Find a Missing Factor

Builds on Grade 5

TODAY'S LESSON	You will solve 0.7 × w = 18,900 for the whole w.
YOU NEED TO	Find the missing factor, like 7 × w = 63. **You will use it in Practice, problems 1, 2 and 3.**

STEPS TO FOLLOW

use these same steps on every problem

1. Write the equation: **factor × w = product**.
2. **Divide** the product by the factor you know.
3. **Check** by multiplying your answer by the known factor.

WATCH ME

the steps in action

Solve 6 × w = 72.

Step 1 The factor is 6 and the product is 72.

Step 2 72 ÷ 6 = 12, so w = 12.

Step 3 Check: 6 × 12 = 72.

Answer **w = 12**

TRY IT WITH HELP

fill in each step

1. Solve 8 × w = 56.

Step 1 The known factor is _____. The product is _____.

Step 2 56 ÷ 8 = _____, so w = _____.

Step 3 Check: 8 × _____ = 56

2. Solve 5 × w = 85.

Step 1 The known factor is _____. The product is _____.

Step 2 85 ÷ 5 = _____, so w = _____.

Step 3 Check: 5 × _____ = 85

YOUR TURN

use the steps on your own

3. Solve for w.

a. 4 × w = 48 ____

b. 9 × w = 63 ____

c. 6 × w = 90 ____

d. 3 × w = 72 ____

e. 7 × w = 56 ____

f. 5 × w = 90 ____

Divide by Two-Digit Numbers

Builds on Grade 5

TODAY'S LESSON	You will divide 31,200 ÷ 65 to solve 0.65 × w = 312.
YOU NEED TO	Divide by a two-digit number, like 910 ÷ 35. **You will use it in Practice, problems 5 and 7.**

STEPS TO FOLLOW

use these same steps on every problem

1. **Divide**: how many times does the divisor fit the first digits?
2. **Multiply** that, then **subtract**.
3. **Bring down** the next digit. Repeat steps 1 and 2.

WATCH ME

the steps in action

Find 784 ÷ 28.

Step 1 28 fits into 78 two times. 2 × 28 = 56.

Step 2 78 − 56 = 22. Bring down the 4: 224.

Step 3 28 fits into 224 eight times. 784 ÷ 28 = 28.

Answer **784 ÷ 28 = 28**

TRY IT WITH HELP

fill in each step

4. Find 195 ÷ 15.

Step 1 15 fits into 19 _____ time.

Step 2 _____ × 15 = _____. 19 − _____ = _____.

Step 3 Bring down 5: _____. 15 fits _____ times. 195 ÷ 15 = _____

5. Find 910 ÷ 35.

Step 1 35 fits into 91 _____ times.

Step 2 _____ × 35 = _____. 91 − _____ = _____.

Step 3 Bring down 0: _____. 35 fits _____ times. 910 ÷ 35 = _____

YOUR TURN

use the steps on your own

6. Divide.

a. 252 ÷ 18 = _____ **b.** 540 ÷ 36 = _____ **c.** 624 ÷ 24 = _____

d. 1,170 ÷ 45 = _____ **e.** 2,730 ÷ 65 = _____ **f.** 945 ÷ 35 = _____

READY CHECK

a problem like the one in today's lesson

7. Mei solves 0.65 × w = 247. She needs 24,700 ÷ 65. What is 24,700 ÷ 65?

A 380 **B** 38 **C** 3,800 **D** 308

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