Name_____ Date_____ Period_____

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

Divide by a Decimal

Builds on Lesson 2-7 Session 2

TODAY'S LESSON	You will solve 0.65 × w = 312 by finding 312 ÷ 0.65.
YOU NEED TO	Divide by a decimal, like 63 ÷ 0.7. **You will use it in Practice, problems 1, 2 and 5.**

STEPS TO FOLLOW

use these same steps on every problem

1. **Move** the decimal point in the divisor to make a whole number.
2. Move the point in the dividend the **same** number of places.
3. **Divide** the whole numbers.

WATCH ME

the steps in action

Find 18 ÷ 0.6.

Step 1 Move the point 1 place: 0.6 becomes 6.

Step 2 Move 18 the same way: 180.

Step 3 180 ÷ 6 = 30.

Answer **18 ÷ 0.6 = 30**

TRY IT WITH HELP

fill in each step

1. Find 63 ÷ 0.7.

Step 1 Move the point _____ place: 0.7 becomes _____.

Step 2 Move 63 the same way: _____.

Step 3 _____ ÷ _____ = _____

2. Find 48 ÷ 0.12.

Step 1 Move the point _____ places: 0.12 becomes _____.

Step 2 Move 48 the same way: _____.

Step 3 _____ ÷ _____ = _____

YOUR TURN

use the steps on your own

3. Divide.

a. 24 ÷ 0.4 = _____ **b.** 30 ÷ 0.75 = _____ **c.** 21 ÷ 0.25 = _____

d. 37 ÷ 0.5 = _____ **e.** 81 ÷ 0.9 = _____ **f.** 17 ÷ 0.2 = _____

Find the Whole

Builds on Lesson 4-5 Session 1

TODAY'S LESSON	In problem 2, $18,900 is 70% of the price paid. You will find the whole price.
YOU NEED TO	Find the whole when a part and its percent are known. **You will use it in Practice, problems 2 and 4.**

STEPS TO FOLLOW

use these same steps on every problem

1. Count the **10% pieces** in the percent: 30% has 3.
2. **Divide** the part by that count to get 10%.
3. **Multiply** by 10 to get 100%, the whole.

WATCH ME

the steps in action

24 is 20% of a number. Find the number.

Step 1 20% has 2 pieces of 10%.

Step 2 24 ÷ 2 = 12. That is 10%.

Step 3 12 × 10 = 120. The whole is 120.

Answer **120**

TRY IT WITH HELP

fill in each step

4. 36 is 60% of a number. Find the number.

Step 1 60% has _____ pieces of 10%.

Step 2 36 ÷ _____ = _____. That is 10%.

Step 3 _____ × 10 = _____. The whole is _____.

5. 35 is 70% of a number. Find the number.

Step 1 70% has _____ pieces of 10%.

Step 2 35 ÷ _____ = _____. That is 10%.

Step 3 _____ × 10 = _____. The whole is _____.

YOUR TURN

use the steps on your own

6. Find the whole.

a. 90 is 30% of _____

b. 160 is 80% of _____

c. 450 is 90% of _____

d. 280 is 40% of _____

e. 210 is 70% of _____

f. 120 is 20% of _____

READY CHECK

a problem like the one in today's lesson

7. $56 is 70% of the first price. What was the first price?

A $80 **B** $8 **C** $39.20 **D** $560

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