Name_____ Date_____ Period_____

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

Multiply and Divide by 100

Builds on Grade 5

TODAY'S LESSON	You will write 0.45 of a goal as 45%.
YOU NEED TO	Multiply a decimal like 0.45 by 100. **You will use it in Practice, problems 1, 4, and 7.**

STEPS TO FOLLOW

use these same steps on every problem

1. Find the **decimal point**. In 45, it is after the 5.
2. × 100: move the point **two places** right. ÷ 100: move left.
3. Fill empty places with **zeros**.

WATCH ME

the steps in action

Find 0.37 × 100.

Step 1 The point is before the 3.

Step 2 × 100, so move it two places right: 37.

Step 3 No empty places. The answer is 37.

Answer **0.37 × 100 = 37**

TRY IT WITH HELP

fill in each step

1. Find 0.6 × 100.

Step 1 The point is before the _____.

Step 2 Move it two places _____.

Step 3 Fill the empty place with a zero: 0.6 × 100 = _____.

2. Find 45 ÷ 100.

Step 1 The point is after the _____.

Step 2 Move it two places _____.

Step 3 45 ÷ 100 = _____.

YOUR TURN

use the steps on your own

3. Multiply or divide.

a. 0.25 × 100 = _____ **b.** 0.9 × 100 = _____ **c.** 0.04 × 100 = _____

d. 60 ÷ 100 = _____ **e.** 7 ÷ 100 = _____ **f.** 35 ÷ 100 = _____

Write a Ratio as a Percent

Builds on Lesson 4-1 Session 1

TODAY'S LESSON	You will write a $26 discount on a $40 jacket as a percent.
YOU NEED TO	Scale a ratio like 8 out of 20 to a number out of 100. **You will use it in Practice, problems 2, 5, and 6.**

STEPS TO FOLLOW

use these same steps on every problem

1. Write the ratio as a **fraction**: part over whole.
2. Find what number times the bottom **makes 100**.
3. Multiply the **top** by that number. That is the percent.

WATCH ME

the steps in action

Write 7 out of 20 as a percent.

Step 1 7 out of 20 is 7/20.

Step 2 20 × 5 = 100.

Step 3 7 × 5 = 35. So 7/20 = 35/100 = 35%.

Answer **35%**

TRY IT WITH HELP

fill in each step

4. Write 3 out of 25 as a percent.

Step 1 Fraction: _____

Step 2 25 × _____ = 100

Step 3 3 × _____ = _____, so the percent is _____%.

5. Write 9 out of 50 as a percent.

Step 1 Fraction: _____

Step 2 50 × _____ = 100

Step 3 9 × _____ = _____, so the percent is _____%.

YOUR TURN

use the steps on your own

6. Write each ratio as a percent.

a. 3 out of 10 = ___ %

b. 11 out of 20 = ___ %

c. 1 out of 4 = ___ %

d. 17 out of 50 = ___ %

e. 6 out of 25 = ___ %

f. 2 out of 5 = ___ %

READY CHECK

a problem like the one in today's lesson

7. Lin answered 13 of 20 questions. What percent did she answer?

A 13% **B** 65% **C** 26% **D** 33%

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