Name_____ Date_____ Period_____

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

Use Factor Pairs of 100

Builds on Grade 4

TODAY'S LESSON	You will scale ratios like 8 out of 25 so the whole is 100.
YOU NEED TO	Find what times a number makes 100, like 25 × 4 = 100. **You will use it in Practice, problems 1 and 6.**

STEPS TO FOLLOW

use these same steps on every problem

1. Find the **missing factor**: the whole × ___ = 100.
2. **Multiply** the part by that factor.
3. **Write** the new ratio out of 100.

WATCH ME

the steps in action

Write 19 out of 25 as a number out of 100.

Step 1 25 × __ = 100. The factor is 4. (Or 100 / 25 = 4)

Step 2 19 × 4 = 76.

Step 3 76 out of 100.

Answer **76 out of 100 which means 76%**

TRY IT WITH HELP

fill in each step

1. Write 13 out of 20 as a number out of 100.

Step 1 20 × _____ = 100. (Or 100 / 20 = _____)

Step 2 13 × _____ = _____.

Step 3 _____ out of 100.

2. Write 37 out of 50 as a number out of 100.

Step 1 50 × _____ = 100. (100 / ____ = _____)

Step 2 37 × _____ = _____.

Step 3 _____ out of 100.

YOUR TURN

use the steps on your own

3. Write each ratio as a number out of 100.

a. 7 out of 20 = ___

b. 9 out of 25 = ___

c. 1 out of 2 = ___

d. 3 out of 10 = ___

e. 11 out of 50 = ___

f. 4 out of 5 = ___

Write Hundredths as Decimals

Builds on Grade 4

TODAY'S LESSON	You will write 62 shaded squares out of 100 as a decimal.
YOU NEED TO	Write hundredths as a decimal, like 8/100 = 0.08. **You will use it in Practice, problem 3.**

STEPS TO FOLLOW

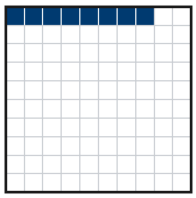
use these same steps on every problem

1. **Read** the fraction as hundredths: 8/100 is 8 hundredths.
2. Use **two places** after the point. Add a zero in front if needed.
3. **Write** 0, the point, then the two digits.

WATCH ME

the steps in action

The grid has 8 of 100 squares shaded. Write it as a decimal.



Step 1 8/100 is 8 hundredths.

Step 2 8 needs two places: 08.

Step 3 Write 0.08.

Answer **0.08**

TRY IT WITH HELP

fill in each step

4. Write 45/100 as a decimal.

Step 1 _____ hundredths.

Step 2 Two places: _____.

Step 3 Decimal: _____

5. Write 7/100 as a decimal.

Step 1 _____ hundredths.

Step 2 Two places: _____.

Step 3 Decimal: _____

YOUR TURN

use the steps on your own

6. Write each fraction as a decimal.

a. 9/100 = ___ **b.** 70/100 = ___ **c.** 99/100 = ___

d. 1/100 = ___ **e.** 36/100 = ___ **f.** 50/100 = ___

READY CHECK

a problem like the one in today's lesson

7. Which decimal names 4 hundredths?

A 0.4 **B** 4.0 **C** 0.04 **D** 0.40

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