Name_____ Date_____ Period_____

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

Simplify Fractions

Builds on Grade 4

TODAY'S LESSON	You will write 9 of 12 shots as a percent: 9/12 = 3/4 = 75%.
YOU NEED TO	Simplify a fraction like 9/12 to 3/4. **You will use it in Practice, problems 5 and 6.**

STEPS TO FOLLOW

use these same steps on every problem

1. Find a **number** that divides both the top and the bottom.
2. **Divide** the top and the bottom by that number.
3. **Repeat** until only 1 divides both.

WATCH ME

the steps in action

Simplify 16/20.

Step 1 4 divides 16 and 20.

Step 2 16 ÷ 4 = 4 and 20 ÷ 4 = 5.

Step 3 Only 1 divides 4 and 5. Stop.

Answer **16/20 = 4/5**

TRY IT WITH HELP

fill in each step

1. Simplify 6/8.

Step 1 _____ divides 6 and 8.

Step 2 6 ÷ _____ = _____ and 8 ÷ _____ = _____.

Step 3 Does only 1 divide both now? Simplest form: _____

2. Simplify 21/28.

Step 1 _____ divides 21 and 28.

Step 2 21 ÷ _____ = _____ and 28 ÷ _____ = _____.

Step 3 Does only 1 divide both now? Simplest form: _____

YOUR TURN

use the steps on your own

3. Write each fraction in simplest form.

a. 10/12 = _____ **b.** 8/20 = _____ **c.** 27/36 = _____

d. 14/35 = _____ **e.** 24/30 = _____ **f.** 18/45 = _____

Scale Fractions to Hundredths

Builds on Grade 4

TODAY'S LESSON	You will write 21 of 25 as 84/100, or 84%.
YOU NEED TO	Scale a fraction like 17/20 so the bottom is 100. **You will use it in Practice, problems 1 and 4.**

STEPS TO FOLLOW

use these same steps on every problem

1. Find what number times the **bottom** makes 100.
2. Multiply the **top** by the same number.
3. Write it **out of 100**. The top number is the percent.

WATCH ME

the steps in action

Write 17/20 as a percent.

Step 1 20 × 5 = 100.

Step 2 17 × 5 = 85.

Step 3 17/20 = 85/100 = 85%.

Answer **85%**

TRY IT WITH HELP

fill in each step

4. Write 3/4 as a percent.

Step 1 4 × _____ = 100

Step 2 3 × _____ = _____

Step 3 _____/100 = _____%

5. Write 13/25 as a percent.

Step 1 25 × _____ = 100

Step 2 13 × _____ = _____

Step 3 _____/100 = _____%

YOUR TURN

use the steps on your own

6. Write each fraction as a percent.

a. 7/10 = ___ %

b. 9/20 = ___ %

c. 2/5 = ___ %

d. 11/25 = ___ %

e. 1/2 = ___ %

f. 37/50 = ___ %

READY CHECK

a problem like the one in today's lesson

7. Class A recycled 17 of its 20 bottles. What percent is that?

A 85%

B 17%

C 37%

D 34%

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