Name_____ Date_____ Period_____

LESSON 3-3 · SESSION 2 · PREREQUISITE PRACTICE B · SKILL 1 OF 2

Write Ratios in Simplest Form

Builds on Lesson 3-1 Session 1 · 6.RP.A.1

TODAY'S LESSON	You will write 6 tbsp of oil to 9 tbsp of vinegar as a bridge ratio.
YOU NEED TO	Write a ratio in simplest form, like 21 : 28 = 3 : 4. **You will use it in Practice Form A, problems 1 and 3.**

STEPS TO FOLLOW

use these same steps on every problem

1. Find the **GCF** of the two terms.
2. **Divide** both terms by the GCF.
3. **Check**: only 1 divides both new terms.

WATCH ME

the steps in action

Write 21 : 28 in simplest form.

Step 1 The GCF of 21 and 28 is 7.

Step 2 21 ÷ 7 = 3 and 28 ÷ 7 = 4.

Step 3 Only 1 divides 3 and 4. The answer is 3 : 4.

Answer 3 : 4

TRY IT WITH HELP

fill in each step

1. Write 6 : 8 in simplest form.

Step 1 The GCF of 6 and 8 is _____.

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

Step 3 Simplest form: _____ : _____

2. Write 10 : 25 in simplest form.

Step 1 The GCF of 10 and 25 is _____.

Step 2 10 ÷ 5 = _____ and 25 ÷ 5 = _____.

Step 3 Simplest form: _____ : _____

YOUR TURN

use the steps on your own

3. Write each ratio in simplest form.

a. 12 : 9 = _____ **b.** 14 : 6 = _____ **c.** 18 : 24 = _____

d. 20 : 35 = _____ **e.** 27 : 18 = _____ **f.** 40 : 16 = _____

Complete Equivalent Ratio Tables

Builds on Lesson 3-3 Session 1 · 6.RP.A.3a

TODAY'S LESSON	You will use a bridge column to find the yellow paint for 10 cups of red.
YOU NEED TO	Multiply or divide both terms by the same number, like 2 : 3 × 5 = 10 : 15. **You will use it in Practice Form A, problems 2 and 5.**

STEPS TO FOLLOW

use these same steps on every problem

1. Find what the **first term** was multiplied or divided by.
2. Do the **same** to the second term.
3. **Write** the new pair.

WATCH ME

the steps in action

Flour to sugar is 3 : 2. How much sugar goes with 12 cups of flour?

Step 1 3 × 4 = 12. The first term was multiplied by 4.

Step 2 Do the same: 2 × 4 = 8.

Step 3 The new pair is 12 : 8.

Answer **8 cups of sugar**

TRY IT WITH HELP

fill in each step

4. Juice to water is 2 : 5. How much water goes with 6 cups of juice?

Step 1 2 × _____ = 6.

Step 2 5 × 3 = _____.

Step 3 New pair: 6 : _____

5. Red to blue is 12 : 18. How much blue goes with 2 cups of red?

Step 1 12 ÷ _____ = 2.

Step 2 18 ÷ 6 = _____.

Step 3 New pair: 2 : _____

YOUR TURN

use the steps on your own

6. Find each missing number.

a. 2 : 3 = 8 : _____ **b.** 5 : 4 = 15 : _____ **c.** 3 : 7 = ___ : 21

d. 10 : 15 = 2 : _____ **e.** 8 : 12 = ___ : 3 **f.** 6 : 9 = 18 : _____

READY CHECK

a problem like the one in today's lesson

7. A drink uses 6 cups of juice for every 8 cups of water. How much water goes with 9 cups of juice?

A 11 cups **B** 12 cups **C** 4 cups **D** 16 cups

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