Name_____ Date_____ Period_____

LESSON 6-2 · SESSION 1 · PREREQUISITE PRACTICE B · SKILL 1 OF 2

Find the Reciprocal of a Fraction

Builds on Lesson 6-1 · 6.NS.A.1

TODAY'S LESSON	You will divide by 4/9 in 2/3 ÷ 4/9 by multiplying by its reciprocal, 9/4.
YOU NEED TO	Flip a fraction to find its reciprocal: 2/5 becomes 5/2. **You will use it in Practice Form A, problem 1.**

STEPS TO FOLLOW

use these same steps on every problem

1. Find the **top** and bottom numbers.
2. **Swap** them. The bottom goes on top.
3. **Check**: the fraction times its reciprocal is 1.

WATCH ME

the steps in action

Find the reciprocal of 2/5.

Step 1 The top is 2. The bottom is 5.

Step 2 Swap them: 5/2.

Step 3 Check: 2/5 × 5/2 = 10/10 = 1.

Answer **5/2**

TRY IT WITH HELP

fill in each step

1. Find the reciprocal of 3/8.

Step 1 The top is _____. The bottom is _____.

Step 2 Swap them: _____/_____

Step 3 Check: 3/8 × 8/3 = _____/24 = 1

2. Find the reciprocal of 1/12.

Step 1 The top is _____. The bottom is _____.

Step 2 Swap them: _____/1 = _____

Step 3 Check: 1/12 × 12 = _____

YOUR TURN

use the steps on your own

3. Write the reciprocal.

a. 3/4 _____ **b.** 1/9 _____ **c.** 5/6 _____

d. 7/2 _____ **e.** 4/9 _____ **f.** 1/18 _____

Divide Using Reciprocals

Builds on Lesson 6-1 · 6.NS.A.1

TODAY'S LESSON	You will find 3/4 ÷ 1/12 to count bowls of soup.
YOU NEED TO	Divide by a unit fraction with Keep, Change, Flip, like 3/4 ÷ 1/12. **You will use it in Practice Form A, problems 2 and 3.**

STEPS TO FOLLOW

use these same steps on every problem

1. **Keep** the first fraction.
2. **Change** ÷ to × and flip the second fraction.
3. **Multiply**. Then simplify.

WATCH ME

the steps in action

Find 3/4 ÷ 1/12.

Step 1 Keep 3/4.

Step 2 Change to ×. Flip 1/12 to 12.

Step 3 3/4 × 12 = 36/4 = 9.

Answer 9

TRY IT WITH HELP

fill in each step

4. Find 1/2 ÷ 1/6.

Step 1 Keep _____

Step 2 Change to ×. Flip 1/6 to _____

Step 3 1/2 × 6 = _____/2 = _____

5. Find 2/3 ÷ 1/9.

Step 1 Keep _____

Step 2 Change to ×. Flip 1/9 to _____

Step 3 2/3 × 9 = _____/3 = _____

YOUR TURN

use the steps on your own

6. Divide. Use Keep, Change, Flip.

a. 1/2 ÷ 1/4 = _____ **b.** 3/5 ÷ 1/10 = _____ **c.** 2/3 ÷ 1/6 = _____

d. 11/12 ÷ 1/12 = _____ **e.** 7/8 ÷ 1/16 = _____ **f.** 5/6 ÷ 1/18 = _____

READY CHECK

a problem like the one in today's lesson

7. A jug has 2/3 gallon of juice. Each cup holds 1/6 gallon. How many cups can it fill?

A 4 **B** 1/9 **C** 9 **D** 1/4

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