Name_____ Date_____ Period_____

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

Multiply a Whole by a Fraction

Builds on Grade 5 · 5.NF.B.4a

TODAY'S LESSON	You will find 9 ÷ 1/3 = 27. You can check it: 27 × 1/3 = 9.
YOU NEED TO	Multiply a whole number by a fraction, like 12 × 1/4. **You will use it in Practice Form A, problems 5 and 8.**

STEPS TO FOLLOW

use these same steps on every problem

1 Write the whole number **over 1**.

2 **Multiply** the tops. Multiply the bottoms.

3 **Simplify**. Divide the top by the bottom.

WATCH ME

the steps in action

Find 12 × 1/4.

Step 1 12 = 12/1.

Step 2 12/1 × 1/4 = 12/4.

Step 3 12 ÷ 4 = 3.

Answer **3**

TRY IT WITH HELP

fill in each step

1. Find 10 × 1/5.

Step 1 10 = _____/1

Step 2 10/1 × 1/5 = _____/_____

Step 3 _____ ÷ 5 = _____

2. Find 6 × 2/3.

Step 1 6 = _____/1

Step 2 6/1 × 2/3 = _____/_____

Step 3 _____ ÷ 3 = _____

YOUR TURN

use the steps on your own

3. Multiply. Simplify your answer.

a. 8 × 1/2 = _____ **b.** 15 × 1/3 = _____ **c.** 20 × 1/4 = _____

d. 9 × 2/3 = _____ **e.** 10 × 3/5 = _____ **f.** 28 × 1/4 = _____

Name the Reciprocal

Builds on Grade 5 · 5.NF.B.4

TODAY'S LESSON	You will change 4 ÷ 1/10 into 4 × 10. The 10 is the reciprocal of 1/10.
YOU NEED TO	Flip a fraction to name its reciprocal: 1/4 becomes 4/1, or 4. **You will use it in Practice Form A, problems 1 and 8.**

STEPS TO FOLLOW

use these same steps on every problem

1. Write the number as a **fraction**. A whole number goes over 1.
2. **Flip** it. Swap the top and bottom.
3. **Check**: the number times its reciprocal is 1.

WATCH ME

the steps in action

Find the reciprocal of 1/6.

Step 1 1/6 is already a fraction.

Step 2 Flip it: 6/1 = 6.

Step 3 Check: 1/6 × 6 = 6/6 = 1.

Answer **6**

TRY IT WITH HELP

fill in each step

4. Find the reciprocal of 3.

Step 1 3 = _____/1

Step 2 Flip it: _____/_____

Step 3 Check: 3 × _____ = 1

5. Find the reciprocal of 2/5.

Step 1 The fraction is _____/_____.

Step 2 Flip it: _____/_____

Step 3 Check: 2/5 × 5/2 = _____/10 = 1

YOUR TURN

use the steps on your own

6. Write the reciprocal.

a. 1/8 _____ **b.** 1/2 _____ **c.** 7 _____

d. 3/4 _____ **e.** 1/10 _____ **f.** 5 _____

READY CHECK

a problem like the one in today's lesson

7. Which is the same as 4 ÷ 1/10?

A 4 × 1/10 **B** 4 × 10 **C** 10 ÷ 4 **D** 1/10 ÷ 4

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