Name_____ Date_____ Period_____

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

Divide Fractions by Fractions

Builds on Lesson 6-2 Session 1 · 6.NS.A.1

TODAY'S LESSON	Once 4 1/2 ÷ 3/4 becomes 9/2 ÷ 3/4, you divide just like Session 1.
YOU NEED TO	Divide two fractions with Keep, Change, Flip, like 9/2 ÷ 3/4. **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 9/2 ÷ 3/4.

Step 1 Keep 9/2.

Step 2 Change to ×. Flip 3/4 to 4/3.

Step 3 9/2 × 4/3 = 36/6 = 6.

Answer 6

TRY IT WITH HELP

fill in each step

1. Find 15/4 ÷ 5/4.

Step 1 Keep _____

Step 2 Change to ×. Flip 5/4 to _____

Step 3 15/4 × 4/5 = 60/_____ = _____

2. Find 5/2 ÷ 1/3.

Step 1 Keep _____

Step 2 Change to ×. Flip 1/3 to _____

Step 3 5/2 × 3 = _____/2 = _____

YOUR TURN

use the steps on your own

3. Divide. Write each answer in simplest form.

a. 3/4 ÷ 1/2 = _____ **b.** 5/6 ÷ 2/3 = _____ **c.** 9/4 ÷ 3/4 = _____

d. 7/2 ÷ 1/4 = _____ **e.** 4/3 ÷ 2/3 = _____ **f.** 11/2 ÷ 5/4 = _____

Simplify Before Multiplying

Builds on Grade 5 · 5.NF.B.4

TODAY'S LESSON	You will find 11 1/4 ÷ 2 1/4. It becomes 45/4 × 4/9.
YOU NEED TO	Divide out common factors before you multiply, like 45/4 × 4/9. **You will use it in Practice Form A, problems 1 and 4.**

STEPS TO FOLLOW

use these same steps on every problem

1. Find a top and a bottom with a **common factor**.
2. **Divide** both by that factor. Cross them out.
3. **Multiply** what is left.

WATCH ME

the steps in action

Find 45/4 × 4/9.

Step 1 4 and 4 share 4. 45 and 9 share 9.

Step 2 4 ÷ 4 = 1 and 4 ÷ 4 = 1. 45 ÷ 9 = 5 and 9 ÷ 9 = 1.

Step 3 5/1 × 1/1 = 5.

Answer **5**

TRY IT WITH HELP

fill in each step

4. Find 27/8 × 4/3.

Step 1 27 and 3 share _____. 8 and 4 share _____.

Step 2 27 ÷ 3 = _____ and 8 ÷ 4 = _____

Step 3 9/2 × 1/1 = _____

5. Find 3/5 × 10/9.

Step 1 3 and 9 share _____. 5 and 10 share _____.

Step 2 9 ÷ 3 = _____ and 10 ÷ 5 = _____

Step 3 1/1 × 2/3 = _____

YOUR TURN

use the steps on your own

6. Simplify first. Then multiply.

a. 2/3 × 3/4 = _____ **b.** 5/6 × 3/10 = _____ **c.** 4/9 × 3/8 = _____

d. 7/10 × 5/7 = _____ **e.** 9/2 × 4/3 = _____ **f.** 6/5 × 10/9 = _____

READY CHECK

a problem like the one in today's lesson

7. Find 2 1/4 ÷ 3/4.

A 3 **B** 27/16 **C** 1/3 **D** 2 1/3

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