

Name: \_\_\_\_\_

Ms. Napolitano

Date: \_\_\_\_\_

Activity #: \_\_\_\_\_

**I can** divide fractions.

**CCSS:** 6.NS.1

# HOMEWORK DAY 4

Write the reciprocal of the number.

1.  $\frac{5}{8}$

2. 6

3.  $\frac{1}{3}$

4.  $\frac{7}{4}$

Answer: \_\_\_\_\_ Answer: \_\_\_\_\_ Answer: \_\_\_\_\_ Answer: \_\_\_\_\_

Divide. Write the answer in simplest form.

5.  $\frac{1}{6} \div \frac{1}{3}$

6.  $\frac{3}{4} \div 6$

7.  $\frac{3}{5} \div \frac{2}{15}$

Answer: \_\_\_\_\_

Answer: \_\_\_\_\_

Answer: \_\_\_\_\_

8.  $10 \div \frac{2}{7}$

9.  $\frac{3}{8} \div \frac{9}{16}$

10.  $\frac{5}{9} \div 15$

Answer: \_\_\_\_\_

Answer: \_\_\_\_\_

Answer: \_\_\_\_\_

11.  $\frac{10}{27} \div \frac{2}{3}$

12.  $\frac{18}{25} \div \frac{8}{15}$

13.  $\frac{7}{12} \div 14$

**Answer:** \_\_\_\_\_

**Answer:** \_\_\_\_\_

**Answer:** \_\_\_\_\_

14. Describe and correct the error in finding the quotient.

$$\times \frac{3}{4} \div 6 = \frac{3}{4} \div \frac{6}{1} = \frac{18}{4} = \frac{9}{2} = 4\frac{1}{2}$$

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Correct Answer: \_\_\_\_\_

15. If  $\frac{1}{2}$  cup of water fills  $\frac{2}{3}$  of a plastic container, how many containers will 1 cup fill?

a. Solve the problem by drawing a picture.

b. Which of the following multiplication or divisions problems represents this situation? Explain your reasoning.

$$\frac{1}{2} \times \frac{2}{3} =? \quad \frac{1}{2} \div \frac{2}{3} =? \quad \frac{2}{3} \div \frac{1}{2} =?$$

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c. Solve the arithmetic problem you chose in part (b) and verify that you get the same answer as you did with your picture.

**Answer:** \_\_\_\_\_