Lesson 5.3T ~ Dividing Fractions With Models

Name_____   Period_____   Date_____
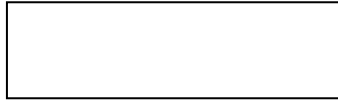
Use the rectangle provided to draw a model to match each expression. Find each quotient.

1. For $\dfrac{1}{2} \div \dfrac{1}{4}$:

    a. What is the least common denominator (LCD) of the two fractions in the expression? _____

    b. Rename both fractions using the LCD. $\dfrac{1}{2} =$ ☐ $\dfrac{1}{4} =$ ☐

    c. Divide the rectangle vertically into the number of sections equal to the LCD.

    d. Shade in the number of sections equal to the numerator of the first fraction.

    e. Look at the second numerator. Circle groups of shaded sections equal to this numerator.

    How many total circles do you have? _____

    f. **Part e** is the answer to the equation. $\dfrac{1}{2} \div \dfrac{1}{4} =$ ☐

2. $\dfrac{4}{8} \div \dfrac{1}{8} =$

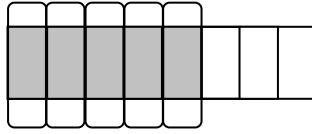**3.** $\dfrac{4}{6} \div \dfrac{2}{6} =$

4. $\dfrac{3}{9} \div \dfrac{1}{3} =$

Write the equation to match each of the following models.

5. $\square \div \square = \square$

6. $\square \div \square = \square$