

## Lesson 5: Creating Division Stories

### Classwork

#### Opening Exercises

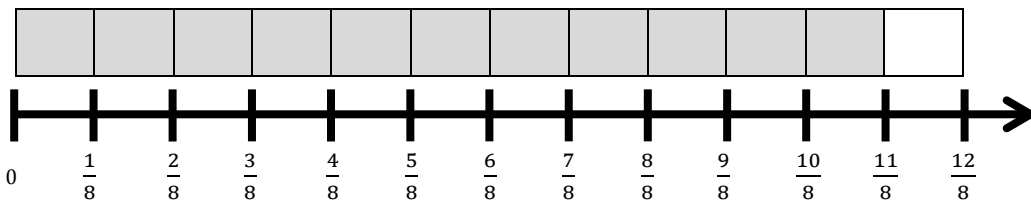
Fraction Bar:

$$\frac{8}{9} \div \frac{2}{9}$$



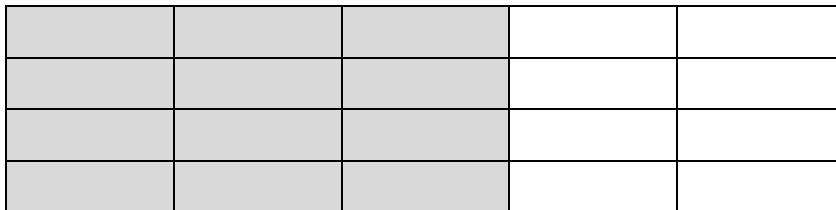
Number Line:

Xavier, Molly’s friend, purchased  $\frac{11}{8}$  cups of strawberries. If he eats  $\frac{3}{4}$  of a cup of strawberries per serving, how many servings will he have?



Area Model:

$$\frac{3}{5} \div \frac{1}{4}$$



**Example 1**

$$\frac{1}{2} \div \frac{1}{8}$$

Step 1: Decide on an interpretation.

Step 2: Draw a model.

Step 3: Find the answer.

Step 4: Choose a unit.

Step 5: Set up a situation.

**Exercise 1**

Using the same dividend and divisor, work with a partner to create your own story problem. You may use the same unit, but your situation must be unique. You could try another unit such as ounces, yards, or miles if you prefer.

**Example 2**

$$\frac{3}{4} \div \frac{1}{2}$$

Step 1: Decide on an interpretation.

Step 2: Draw a diagram.

Step 3: Find the answer.

Step 4: Choose a unit.

Step 5: Set up a situation.

## Exercise 2

Using the same dividend and divisor, work with a partner to create your own story problem. You may use the same unit, but your situation must be unique. You could try another unit such as cups, yards, or miles if you prefer.