# Lesson 5: Creating Division Stories
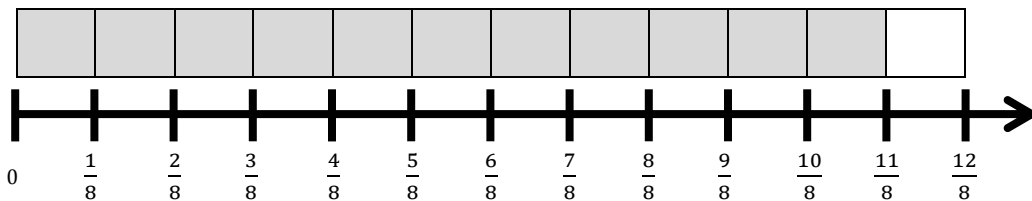
## Classwork

**Opening Exercises**

Fraction Bar:

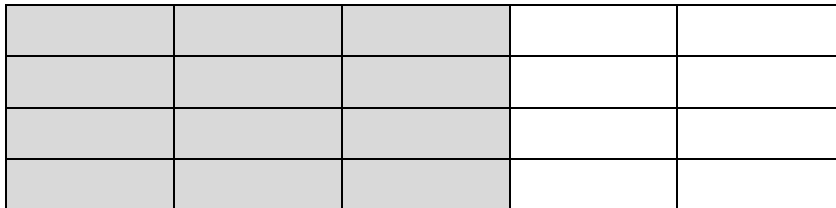$$\frac{8}{9} \div \frac{2}{9}$$

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.

**Lesson Summary**

The method of creating division stories includes five steps:

Step 1:  Decide on an interpretation (measurement or partitive).  Today we used measurement division.

Step 2:  Draw a model.

Step 3:  Find the answer.

Step 4:  Choose a unit.

Step 5:  Set up a situation.  This means writing a story problem that is interesting, realistic, and short.  It may take several attempts before you find a story that works well with the given dividend and divisor.

## Problem Set

Please use each of the five steps of the process you learned.  Label each step.

1.  Write a measurement division story problem for $6 \div \frac{3}{4}$.

2.  Write a measurement division story problem for $\frac{5}{12} \div \frac{1}{6}$.