**Let’s Be Rational Investigation 4.3 Homework-Operations with Story Problems**

For each problem below, decide which operation(s) you need to use to solve, solve SHOWING ALL THINKING, and write the number sentence for the problem in the box.

1. You are taking a road trip. On the map, you measure one part of the trip to be $\frac{11}{16}$ inch, the second part to be $\frac{5}{8}$ inch and the last part to be $\frac{1}{4}$ inch. What is the total distance of the trip on the map?

**Number Sentence**

1. Irma has $\frac{5}{8}$ yard of ribbon. For her project, she needs pieces of ribbon that are $\frac{1}{6}$ yard each. How many pieces of ribbon does she have?

**Number Sentence**

1. On Monday you walked $1\frac{2}{3}$ miles, on Tuesday $2\frac{3}{4}$ miles, on Wednesday $3\frac{1}{3}$ miles and on Thursday $2\frac{3}{4}$ miles. How many miles did you walk over the four days?

**Number Sentence**

1. You are making bracelets. You have 14 feet of material. Each bracelet uses $\frac{2}{3}$ foot of material. How many bracelets can you make?

**Number Sentence**

1. Andy carried $\frac{1}{2}$ gallon of water on a hike. He drank $\frac{2}{3}$ of the water. How much water did he drink?

**Number Sentence**

1. Gloria has $2\frac{5}{8}$ ounces of perfume. If she uses $\frac{1}{3}$ of it, how much will she have left?

**Number Sentence**

1. Olivia has 1$\frac{1}{5}$ yards of fabric. She uses $\frac{5}{8}$ of the fabric to make a shirt. How much fabric did she use?

**Number Sentence**

1. A piece of lumber that was cut to be $1\frac{1}{2}$ inches thick shrinks to $1\frac{9}{32}$ inches thick after drying out. How many inches did the wood shrink?

**Number Sentence**

1. You are cutting fabric for placemats that are $13\frac{3}{4}$ inches wide. You have a piece of fabric that is $82\frac{1}{2}$ inches long. How many placemats can you make from the fabric?

**Number Sentence**

1. Julia’s mom is making ice cream sundaes. She has $3\frac{1}{2}$ gallons of ice cream and estimates that she will need $\frac{1}{16}$ of a gallon for each sundae. How many ice cream sundaes can Julia’s mom make?

**Number Sentence**

1. Emily goes to the store to buy some candy. The candy is sold in $\frac{1}{4}$ pound bags, $\frac{2}{3}$ pound bags and $\frac{3}{5}$ pound bags. Emily decides to buy two- $\frac{1}{4}$ pound bags of candy, eight- $\frac{2}{3}$ pound bags of candy and one-$\frac{3}{5}$ pound bag of candy. How many pounds of candy did she buy?

**Number Sentence**

1. An extended cab pickup truck has a length of $17\frac{3}{8}$ feet. A car is $8\frac{3}{4}$ feet long. Can the truck and car both fit into a driveway that is $26\frac{1}{2}$ feet long? If yes, how much extra space is there? If no, how much more space do they need?

**Number Sentence**