Lesson 1: Interpreting Division of a Fraction by a Whole Number—Visual Models

Classwork

Opening Exercise

Draw a model of the fraction.

Describe what the fraction means.

**Example 1**

Maria has lb. of trail mix. She needs to share it equally among friends. How much will each friend be given? What is this question asking us to do?

How can this question be modeled?

**Example 2**

Let’s look at a slightly different example. Imagine that you have of a cup of frosting to share equally among three desserts. How would we write this as a division question?

We can start by drawing a model of two-fifths.

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How can we show that we are dividing two-fifths into three equal parts?

What does this part represent?

Exercises 1–5

For each question below, rewrite the problem as a multiplication question. Then, model the answer.



Problem Set

Rewrite each problem as a multiplication question. Model your answer.