Lesson 3: Interpreting and Computing Division of a Fraction by a Fraction—More Models

Classwork

Opening Exercise

Draw a model to represent .

How could we reword this question?

Example 1

Draw a model to show the division problem.

Example 2

Be sure to draw a model to support your answer.

Example 3

Be sure to create a model to support your answer.

Exercises 1–6

For the following exercises, rewrite the division problem. Then, be sure to draw a model to support your answer.

1. How many fourths are in three fourths?

Draw a model to support your answer.

How are Example 2 and Exercise 1 similar?

How are the divisors and dividends related?

What conclusions can you draw from these observations?



Lesson Summary

When dividing a fraction by a fraction with the same denominator, we can use the general rule .

Problem Set

For the following exercises, rewrite the division problem in words. Then, be sure to draw a model to support your answer.