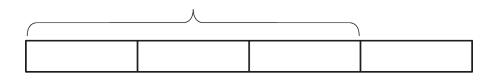
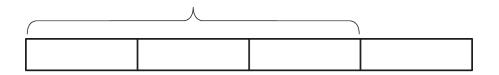


Lesson 8 Practice Problems

- 1. For each situation, complete the tape diagram to represent and answer the question.
 - a. Mai has picked 1 cup of strawberries for a cake, which is enough for $\frac{3}{4}$ of the cake. How many cups does she need for the whole cake?



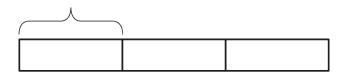
b. Priya has picked $1\frac{1}{2}$ cups of raspberries, which is enough for $\frac{3}{4}$ of a cake. How many cups does she need for the whole cake?



- 2. Consider the problem: Tyler painted $\frac{9}{2}$ square yards of wall area with 3 gallons of paint. How many gallons of paint does it take to paint each square yard of wall?
 - a. Write multiplication and division equations to represent the situation.
 - b. Draw a diagram to represent and answer the question.



- 3. Consider the problem: After walking $\frac{1}{4}$ mile from home, Han is $\frac{1}{3}$ of his way to school. What is the distance between his home and school?
 - a. Write multiplication and division equations to represent this situation.
 - b. Complete the diagram to represent and answer the question.



- 4. Here is a division equation: $\frac{4}{5} \div \frac{2}{3} = ?$
 - a. Write a multiplication equation that corresponds to the division equation.
 - b. Draw a diagram to represent and answer the question.
 - (From Unit 4, Lesson 7.)



- 5. Consider the problem: A set of books that are each 1.5 inches wide are being organized on a bookshelf that is 36 inches wide. How many books can fit on the shelf?
 - a. Write multiplication and division equations to represent the situation.
 - b. Find the answer. Draw a diagram, if needed.

c. Use the multiplication equation to check your answer.

(From Unit 4, Lesson 3.)

6. a. Without calculating, order the quotients from smallest to largest.

- b. Explain how you decided the order of the three expressions.
- c. Find a number *n* so that $56 \div n$ is greater than 1 but less than 7.

(From Unit 4, Lesson 1.)