

## Section B: Practice Problems

1. For each pair of expressions, decide which is greater. Explain your choice without calculating the value of the expressions.

a.  $210 \div 3$     $210 \div 5$

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b.  $210 \div 3$     $75 \div 3$

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(From Unit 3, Lesson 10.)

2. A pan of macaroni and cheese is  $\frac{1}{3}$  full. Four friends split the remaining macaroni and cheese equally.

a. Make a drawing that represents the situation.

b. Write a division expression representing how much of a pan each friend gets.

c. Explain how the drawing shows the division expression.

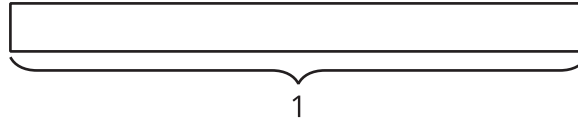
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(From Unit 3, Lesson 11.)

3. a. Use the diagram to represent the expression  $\frac{1}{5} \div 2$ .



- b. Explain how the diagram shows  $\frac{1}{5} \div 2$ .

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- c. What is the value of  $\frac{1}{5} \div 2$ ?

(From Unit 3, Lesson 12.)

4. Mai has a strip of paper that is 3 feet long. She cuts it into  $\frac{1}{4}$  foot strips.

- a. How many  $\frac{1}{4}$  foot strips does Mai make? Explain or show your reasoning.

- b. Write a division equation to represent your answer.

(From Unit 3, Lesson 13.)

5. Find the value of each expression.

a.  $5 \div \frac{1}{4}$

b.  $6 \div \frac{1}{4}$

c.  $3 \div \frac{1}{6}$

d.  $3 \div \frac{1}{7}$

(From Unit 3, Lesson 14.)

6. Solve each problem. Write an equation showing your answer.

a. There are 4 liters of water. How many  $\frac{1}{2}$  liter bottles of water is that?

b. 4 friends split  $\frac{1}{2}$  pound of dried fruit equally. How many pounds of fruit does each friend get?

(From Unit 3, Lesson 15.)

7. Find the value of each expression. Explain or show your reasoning.

a.  $3 \div \frac{1}{4}$

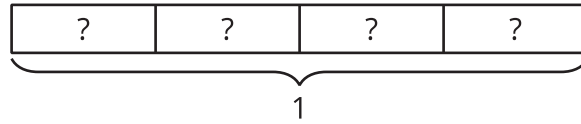
b.  $\frac{1}{5} \div 8$

(From Unit 3, Lesson 16.)

### 8. Exploration

For each diagram, write a story problem that the tape diagram represents. Then use the diagram to solve the problem.

**A**




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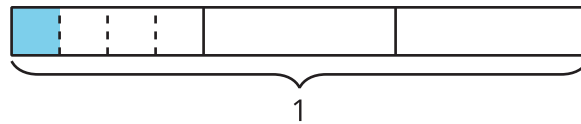


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**B**




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