
 NAME

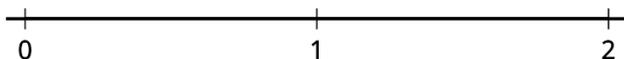
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Section A: Practice Problems

1. Pre-unit

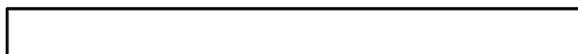
- a. Locate $\frac{6}{4}$ on the number line.



- b. Explain or show why your point represents $\frac{6}{4}$.

2. Pre-unit

Shade $\frac{3}{4}$ of the rectangle. Explain or show your reasoning.



3. Pre-unit

Explain or show why $\frac{4}{3} = 4 \times \frac{1}{3}$.

4. Pre-unit

Each workbook is $\frac{3}{8}$ inch thick. How many inches thick is a stack of 5 workbooks? Explain or show your reasoning.

5. Pre-unit

- a. There are 36 fish in 4 aquariums. There are the same number of fish in each aquarium. How many fish are in each aquarium? Show or explain your reasoning.
- b. There are 24 dogs at a shelter. There are 4 times as many dogs as cats at the shelter. How many cats are there at the shelter? Show or explain your reasoning.

6. Pre-unit

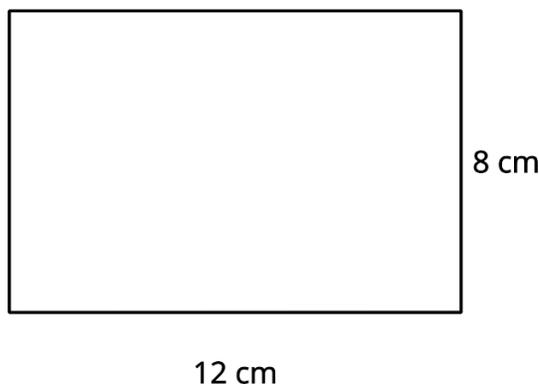
A bottle holds $\frac{7}{10}$ liter of water. How much water do 6 bottles hold? Explain or show your reasoning.

7. Pre-unit

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What is the area of the rectangle? Explain or show your reasoning.

- a. 3 students equally share 18 sheets of construction paper for an art project. How many sheets of paper does each student get? Explain or show your reasoning.
- b. 3 students equally share 1 tube of glue for an art project. How much glue does each student get? Explain or show your reasoning.

(From Unit 2, Lesson 1.)

- a. 4 hikers equally share 3 liters of water. How many liters of water does each hiker drink? Explain or show your reasoning.
- b. 4 hikers equally share 5 liters of water. How many liters of water does each hiker drink? Explain or show your reasoning.

(From Unit 2, Lesson 2.)

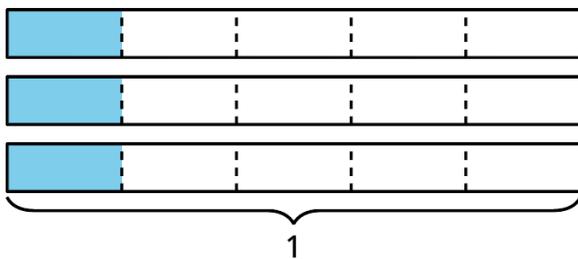
- a. Jada cuts an 11 inch strip of paper into 5 equal parts. How many inches long is each part?
- b. Jada cuts a strip of paper into 5 equal parts. Each part is $\frac{7}{5}$ inches long. How long was the strip of paper?

(From Unit 2, Lesson 3.)

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8.

- a. Describe a situation that the diagram could represent.
- b. Write an equation that represents the diagram and the situation.

(From Unit 2, Lesson 4.)

9. Decide whether each equation is true or false. Explain or show your reasoning.

- a. $3 \div 7 = \frac{3}{7}$.
- b. $18 \div 5 = \frac{5}{18}$.
- c. $15 \div 6 = 2\frac{1}{2}$.

(From Unit 2, Lesson 5.)

10. Exploration

- a. Describe a situation in the classroom or at home where you share something equally with your classmates or family that results in fractional size parts.
- b. Draw a picture to represent the situation.
- c. Write a division equation to represent the situation.

11. Exploration

Elena is traveling to visit her grandparents who live 125 miles away.

- a. Elena stops for lunch $\frac{2}{3}$ of the way. How far has Elena traveled? Explain or show your reasoning.
- b. Elena enters the city where her grandmother lives after 110 miles. Is she more or less than $\frac{9}{10}$ of the way there? Explain or show your reasoning.

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12. Exploration

- a. Describe a situation that represents the equation $4 \div 6 = \frac{4}{6}$.
- b. Draw a diagram to represent the situation.



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