

Grade 5 Unit 2

Lesson 5

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Unit 2 Lesson 5: Relate Division and Fractions**WU True or False: Interpret Fractions (Warm up)**

Student Task Statement

Decide if each statement is true or false. Be prepared to explain your reasoning.

- $5 \div 2 = \frac{5}{2}$
- $\frac{5}{2} = 5\frac{1}{2}$
- $\frac{6}{2} = 3$

1 Relate Pounds to People

Student Task Statement

	more than 1
_____ people share 7 pounds of blueberries	

more than 1



people
share

pounds of
blueberries

	more than 1
Three people share <hr/> pounds of blueberries	

	more than 1
<hr/> people share	
<hr/> pounds of blueberries	

	more than 1

1. Fill in the blanks to match the rules in the table.
2. How many pounds of blueberries did each person get when they got more than 1 pound of blueberries?
3. How many pounds of blueberries did each person get when they got less than 1 pound of blueberries?

(Pause for teacher directions.)

- Work with your group to make a poster that shows or explains your thinking about the questions

below.

- What is true about all of the pairs of numbers that were used when each person got less than 1 pound of blueberries?
- What is true about all of the pairs of numbers that were used when each person got more than 1 pound of blueberries?
- What is true about all of the pairs of numbers that were used when each person gets exactly $\frac{1}{2}$ pound of blueberries?

2 Why Does It Work?

Student Task Statement

1. What numbers can replace the question marks in each equation? Explain your reasoning.

$$? \div 2 = \frac{?}{2} \qquad 2 \div ? = \frac{2}{?}$$

(Pause for teacher directions.)

2. Work with your partner to explain why any division expression can be interpreted as a fraction. You can use diagrams, expressions, equations, and words.