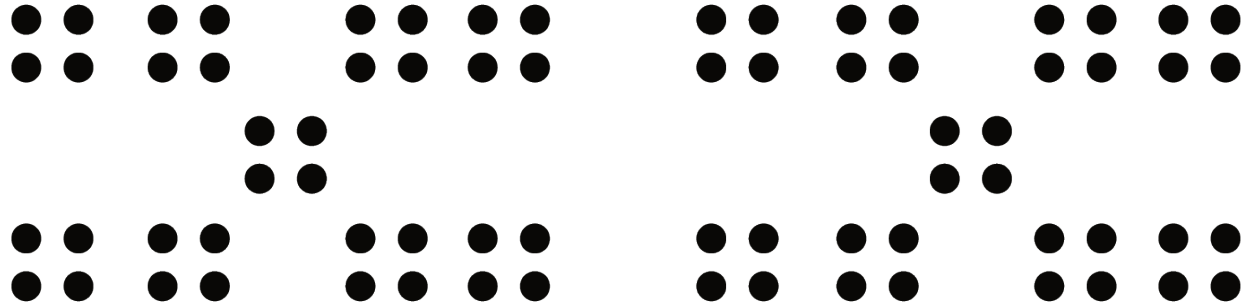


# Unit 4 Lesson 3: Interpreting Division Situations

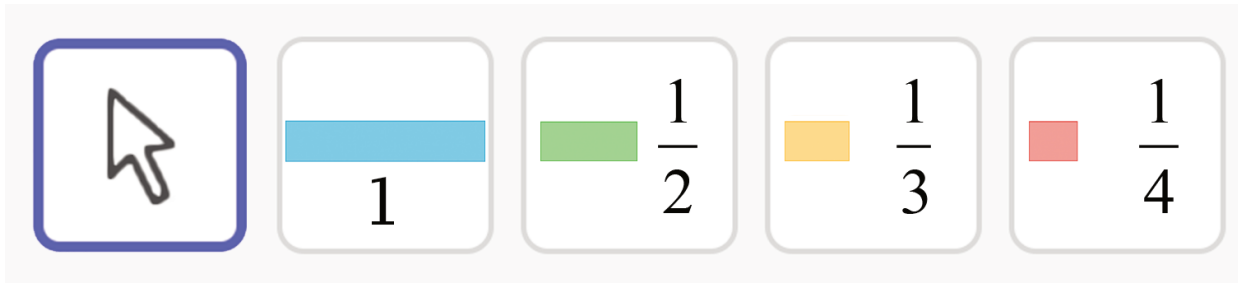
## 1 Dot Image: Properties of Multiplication (Warm up)

Student Task Statement



## 2 Homemade Jams

### Images for Launch

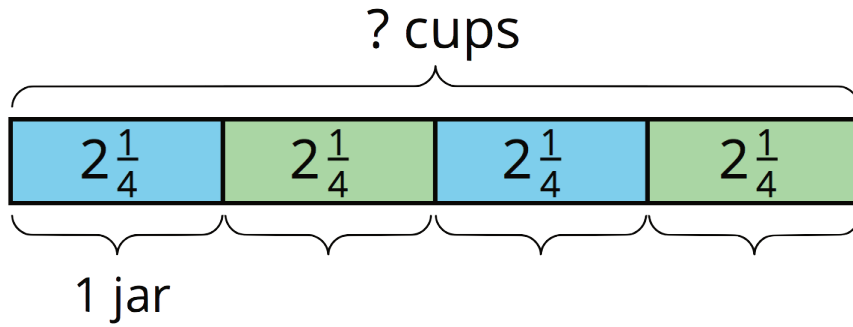


### Student Task Statement

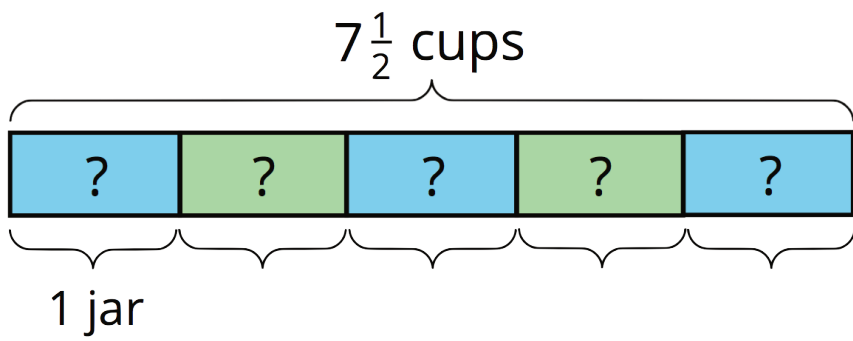
Draw a diagram, and write a multiplication equation to represent each situation. Then answer the question.

1. Mai had 4 jars. In each jar, she put  $2\frac{1}{4}$  cups of homemade blueberry jam. Altogether, how many cups of jam are in the jars?
2. Priya filled 5 jars, using a total of  $7\frac{1}{2}$  cups of strawberry jam. How many cups of jam are in each jar?
3. Han had some jars. He put  $\frac{3}{4}$  cup of grape jam in each jar, using a total of  $6\frac{3}{4}$  cups. How many jars did he fill?

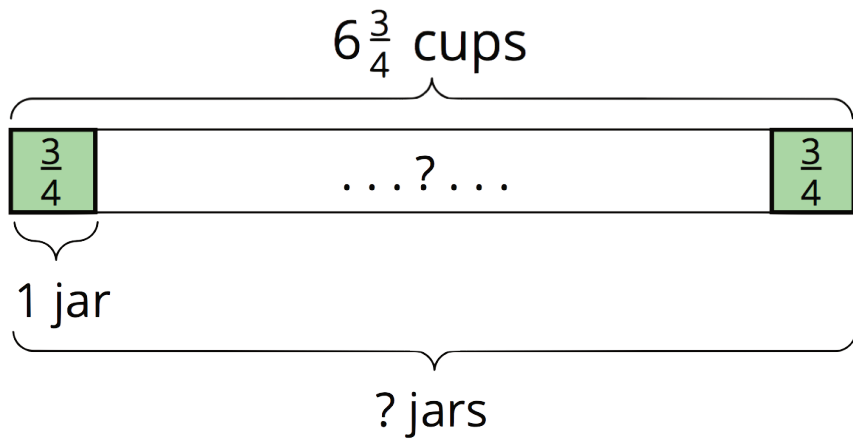
Activity Synthesis



$$4 \cdot 2\frac{1}{4} = ?$$



$$5 \cdot ? = 7\frac{1}{2}$$



$$? \cdot \frac{3}{4} = 6\frac{3}{4}$$

### 3 Making Granola

#### Student Task Statement

1. Consider the problem: To make 1 batch of granola, Kiran needs 26 ounces of oats. The only measuring tool he has is a 4-ounce scoop. How many scoops will it take to measure 26 ounces of oats?
  - a. Will the answer be more than 1 or less than 1?
  - b. Write a multiplication equation and a division equation that represent this situation. Use “?” to represent the unknown quantity.
  - c. Find the unknown quantity. If you get stuck, consider drawing a diagram.
2. The recipe calls for 14 ounces of mixed nuts. To get that amount, Kiran uses 4 bags of mixed nuts.
  - a. Write a mathematical question that might be asked about this situation.
  - b. What might the equation  $14 \div 4 = ?$  represent in Kiran’s situation?
  - c. Find the quotient. Show your reasoning. If you get stuck, consider drawing a diagram.

Activity Synthesis

