## Unit 3 Lesson 4: Equal Groups of Non-Unit Fractions

### WU Notice and Wonder: Thirds (Warm up)

#### Student Task Statement

What do you notice? What do you wonder?



### 1 Jars of Jam

#### Student Task Statement

Elena fills 5 small jars with homemade jams to share with her friends. Each jar can fit $\frac{3}{4}$ cup of jam. How many cups of jam are in the jars? Explain or show your reasoning.



If you have time: Elena still has some jam left. She takes 2 large jars and puts $\frac{5}{4}$ cups of jam in each jar. How many cups of jam are in the jars?

### 2 How Do We Multiply?

#### Student Task Statement

1. This diagram represents $\frac{2}{5}$.
* 
	1. Show how you would use or adjust the diagram to represent $4×\frac{2}{5}$.
	2. What is the value of the shaded parts in your diagram?
1. This diagram represents $\frac{5}{8}$.
* 
	1. Show how you would use or adjust the diagram to represent $3×\frac{5}{8}$.
	2. What is the value of the shaded parts in your diagram?
1. Find the value of each expression. Draw a diagram if you find it helpful. Be prepared to explain your reasoning.
	1. $2×\frac{1}{6}$
	2. $2×\frac{4}{6}$
	3. $2×\frac{5}{6}$
	4. $4×\frac{5}{6}$
2. Mai said that to multiply any fraction by a whole number, she would multiply the whole number and the numerator of the fraction and keep the same denominator. Do you agree with Mai? Explain your reasoning.

#### Images for Activity Synthesis





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