## Unit 5 Lesson 8: Fractions and Whole Numbers

### WU Number Talk: Divide by 4 (Warm up)

#### Student Task Statement

Find the value of each expression mentally.

* $12÷4$
* $24÷4$
* $60÷4$
* $72÷4$

### 1 Fractions Located at Whole Numbers

#### Student Task Statement

1. Locate and label your assigned fractions on the number line. Be prepared to explain your reasoning.
* 
	1. $\frac{1}{2},\frac{2}{2},\frac{3}{2},\frac{4}{2},\frac{5}{2},\frac{6}{2},\frac{7}{2},\frac{8}{2},\frac{9}{2},\frac{10}{2}$
	2. $\frac{1}{3},\frac{2}{3},\frac{3}{3},\frac{4}{3},\frac{5}{3},\frac{6}{3},\frac{7}{3},\frac{8}{3},\frac{9}{3}$
	3. $\frac{1}{4},\frac{2}{4},\frac{3}{4},\frac{4}{4},\frac{5}{4},\frac{6}{4},\frac{7}{4},\frac{8}{4},\frac{9}{4},\frac{10}{4},\frac{11}{4},\frac{12}{4}$
1. List all the fractions that were located at a whole number in all three number lines that your group labeled.
2. What patterns do you see in all three labeled number lines?



### 2 Locate 1 on the Number Line

#### Student Task Statement

1. Locate and label 1 on each number line. Be prepared to explain your reasoning.
	1.
	* 
	1.
	* 
	1.
	* 
	1.
	* 
2. How could you locate 2 on the number lines in the previous problem?



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