

## Grade 3 Unit 5

### Lesson 8

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## 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.

- $12 \div 4$
- $24 \div 4$
- $60 \div 4$
- $72 \div 4$

### 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.



- a.  $\frac{1}{2}, \frac{2}{2}, \frac{3}{2}, \frac{4}{2}, \frac{5}{2}, \frac{6}{2}, \frac{7}{2}, \frac{8}{2}, \frac{9}{2}, \frac{10}{2}$
- b.  $\frac{1}{3}, \frac{2}{3}, \frac{3}{3}, \frac{4}{3}, \frac{5}{3}, \frac{6}{3}, \frac{7}{3}, \frac{8}{3}, \frac{9}{3}$
- c.  $\frac{1}{4}, \frac{2}{4}, \frac{3}{4}, \frac{4}{4}, \frac{5}{4}, \frac{6}{4}, \frac{7}{4}, \frac{8}{4}, \frac{9}{4}, \frac{10}{4}, \frac{11}{4}, \frac{12}{4}$

2. List all the fractions that were located at a whole number in all three number lines that your group labeled.
3. What patterns do you see in all three labeled number lines?



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## 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.

a.



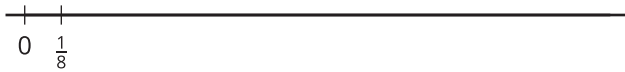
b.



c.



d.



2. How could you locate 2 on the number lines in the previous problem?