## Unit 2 Lesson 11: Use Factors to Find Equivalent Fractions

### WU Which One Doesn’t Belong: Four Representations (Warm up)

#### Student Task Statement

Which one doesn't belong?

1. 
2. 
3. $\frac{1}{4}$
4. 

### 1 The Other Way Around

#### Student Task Statement

1. Andre drew a number line and marked a point on it. Label the point with the fraction it represents.
* 
1. To find other fractions that the point represents, Andre made copies of the number line. He drew darker marks on some of the existing tick marks.
* Label the darker tick marks Andre made on each number line.
	1. 
	2. 
1. Kiran wrote the same fractions for the points but used a different strategy, as shown. Analyze his reasoning.
* $\frac{8 ÷ 4}{12 ÷ 4}=\frac{2}{3}$
* $\frac{8 ÷ 2}{12 ÷ 2}=\frac{4}{6}$
* How do you think Andre’s and Kiran’s strategies are related?
1. Try using Kiran’s strategy to find one or more fractions that are equivalent to $\frac{10}{12}$ and $\frac{18}{12}$.

### 2 How Would You Find Them?

#### Student Task Statement

Find at least two fractions that are equivalent to each fraction. Show your reasoning.

1. $\frac{16}{8}$
2. $\frac{40}{10}$
3. $\frac{7}{6}$
4. $\frac{90}{100}$
5. $\frac{5}{4}$

### 3 Card Sort: Fractions Galore (Optional)

#### Student Task Statement

Your teacher will give you a set of cards. Find as many sets of equivalent fractions as you can. Be prepared to explain or show your reasoning.

Record the sets of equivalent fractions here.

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Record fractions that do not have an equivalent fraction here.

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