How Do You Compare Fractions?

Let's represent and compare fractions.

Warm-up

Number Talk: Which Whole Numbers?

Find the whole number equivalent to each fraction.

- $\frac{16}{1}$
- $\frac{16}{2}$
- $\frac{16}{4}$
- $\frac{20}{4}$

Activity 1

Equivalent or Not?

Are these fractions equivalent? Show your thinking, using diagrams, symbols, or other representations.

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

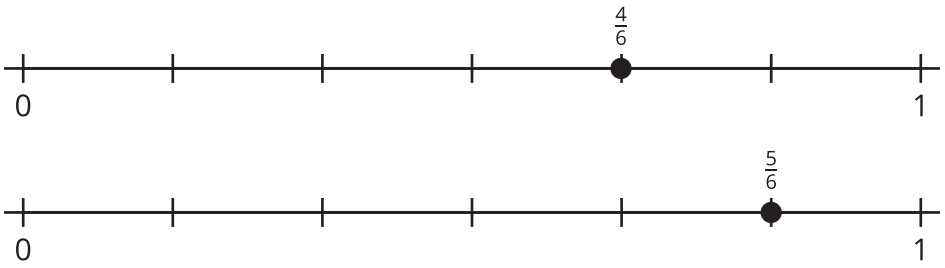
2. $\frac{4}{6}$ and $\frac{5}{6}$

3. $\frac{3}{4}$ and $\frac{6}{8}$

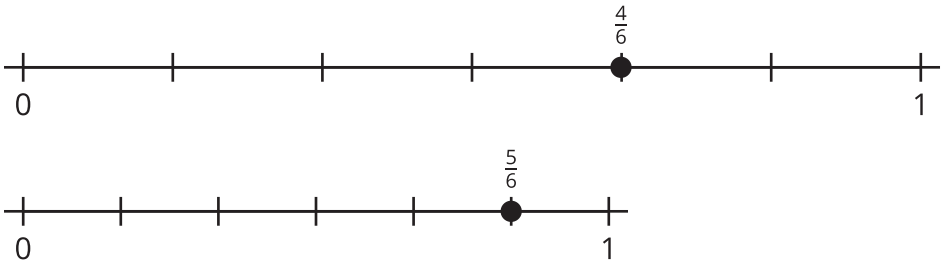
Activity 2

Same Fractions, Different Results?

Han says $\frac{4}{6}$ is less than $\frac{5}{6}$. His work is shown.



Lin says $\frac{4}{6}$ is greater than $\frac{5}{6}$. Her work is shown.



Why might Han and Lin make different comparison statements for the same fractions?