Illustrative Mathematics

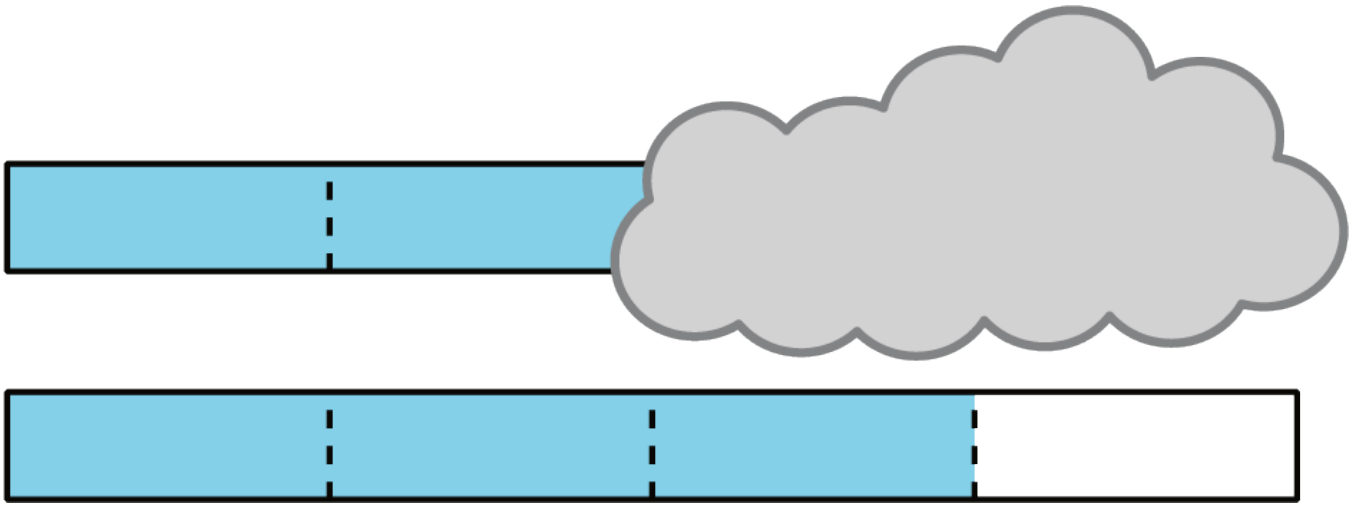
Grade 3 Unit 5
Lesson 15

Unit 5 Lesson 15: Compare Fractions with the Same Denominator

WU Notice and Wonder: Two More Strips (Warm up)

Student Task Statement

What do you notice? What do you wonder?



1 Compare Fractions with the Same Denominator

Student Task Statement

1. For each pair of fractions, circle the fraction that is greater. Explain or show your reasoning.
   a. $\frac{1}{2}$ and $\frac{3}{2}$
   b. $\frac{3}{8}$ and $\frac{2}{8}$
2. Use the symbols > or < to make each statement true. Explain or show your reasoning.
   a. $\frac{1}{6}$ _____ $\frac{4}{6}$
   b. $\frac{4}{4}$ _____ $\frac{5}{4}$
   c. $\frac{2}{3}$ _____ $\frac{1}{3}$

d. $\frac{4}{8}$ _____ $\frac{6}{8}$

If you have time: Write in the missing numerator of the fraction to make each statement true. Explain or show your reasoning.

1. $\frac{1}{2} < \frac{\quad}{2}$
2. $\frac{6}{4} > \frac{\quad}{4}$
3. $\frac{4}{3} < \frac{\quad}{3}$
4. $\frac{5}{8} > \frac{\quad}{8}$

2 Spin to Win: Same Denominator

Student Task Statement

In this game, you will record fractions on number lines. Choose a writing utensil in a color different than your partner's so you can tell which fraction is whose on each number line.

1. Each player spins the paper clip. The player who spins the highest number is Player 1.
2. Player 1 chooses a denominator for the first round: 2, 3, 4, 6, or 8.
3. Each player spins for the numerator of their fraction.
4. Each player locates and labels their fraction on the same number line on the recording sheet.
5. The player with the greater fraction wins and picks the denominator for the next round.
6. Repeat for 10 rounds. The player who wins the most rounds wins the game.