

Lesson 11: What's the Difference?

- Let's subtract fractions.

Warm-up: Number Talk: Subtracting Fractions

Find the value of each difference mentally.

- $\frac{2}{3} - \frac{1}{6}$

- $\frac{2}{3} - \frac{1}{2}$

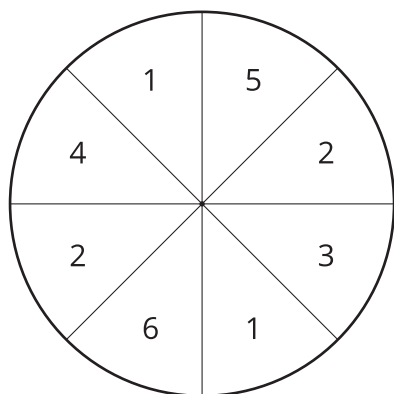
- $\frac{2}{3} - \frac{4}{6}$

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

11.1: Greatest Difference

Use the directions to play Greatest Difference with a partner.

1. Spin the spinner.
2. Each player writes the number that was spun in an empty box for Round 1. Be sure your partner cannot see your paper.
3. Once a number is written down, it cannot be changed.
4. Continue spinning and writing numbers in the empty boxes until all 4 boxes have been filled.
5. Find the difference.
6. The person with the greatest difference wins the round.
7. After all 4 rounds, the player who won the most rounds, wins the game.
8. If there is a tie, players add the differences from all 4 rounds and the highest total wins the game.



Round 1

$$\begin{array}{r} \square \\ \hline \square \end{array} - \begin{array}{r} \square \\ \hline \square \end{array} =$$

Round 2

$$\begin{array}{r} \square \\ \hline \square \end{array} - \begin{array}{r} \square \\ \hline \square \end{array} =$$

Round 3

$$\begin{array}{r} \square \\ \hline \square \end{array} - \begin{array}{r} \square \\ \hline \square \end{array} =$$

Round 4

$$\begin{array}{r} \square \\ \hline \square \end{array} - \begin{array}{r} \square \\ \hline \square \end{array} =$$

11.2: What is the Smallest Difference?

Use the numbers below to fill in the squares. Find each difference. Add the 2 differences together.

1 1 2 2 3 4 5 6

$$\begin{array}{r}
 \square \\
 \hline
 \square
 \end{array}
 -
 \begin{array}{r}
 \square \\
 \hline
 \square
 \end{array}
 =$$

$$\begin{array}{r}
 \square \\
 \hline
 \square
 \end{array}
 -
 \begin{array}{r}
 \square \\
 \hline
 \square
 \end{array}
 =$$