

Lesson 10: Here Comes the Sum

- Let's play some games to practice adding fractions.

Warm-up: Number Talk: Adding Fractions

Find the value of each expression mentally.

- $\frac{2}{12} + \frac{1}{6}$

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

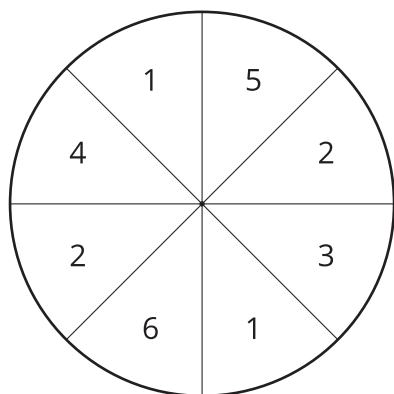
- $\frac{1}{3} + \frac{1}{2}$

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

10.1: Greatest Sum

Use the directions to play Greatest Sum 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 sum.
6. The person with the greater sum 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 sums from all 4 rounds and the highest total sum wins the game.



Round 1

$$\frac{\square}{\square} + \frac{\square}{\square} =$$

Round 2

$$\frac{\square}{\square} + \frac{\square}{\square} =$$

Round 3

$$\frac{\square}{\square} + \frac{\square}{\square} =$$

Round 4

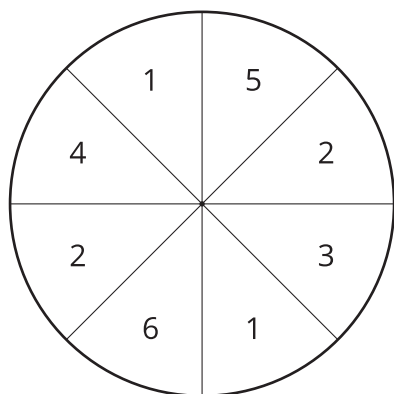
$$\frac{\square}{\square} + \frac{\square}{\square} =$$

Total sum of all 4 rounds:

10.2: Smallest Sum

Use the directions to play Smallest Sum 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 sum.
6. The person with the lesser sum 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 sums from all 4 rounds and the lesser total sum wins the game.



Round 1

$$\frac{\square}{\square} + \frac{\square}{\square} =$$

Round 2

$$\frac{\square}{\square} + \frac{\square}{\square} =$$

Round 3

$$\frac{\square}{\square} + \frac{\square}{\square} =$$

Round 4

$$\frac{\square}{\square} + \frac{\square}{\square} =$$

Total sum of all 4 rounds: