Unit 8, 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.

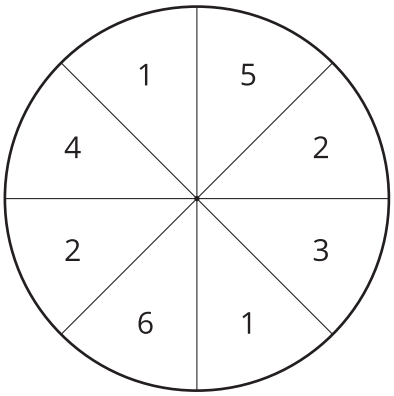
- $\frac{2}{12} + \frac{1}{6}$
- $\frac{2}{6} + \frac{1}{2}$
- $\frac{1}{3} + \frac{1}{2}$
- $\frac{1}{3} + \frac{3}{2}$

Activity 1

Greatest Sum

Use the directions to play Greatest Sum with a partner.

1. Spin the spinner.
2. Write the number in an empty box for Round 1. Be sure your partner can't see your paper. Once a number is written down, it can't be changed.
3. Take turns. Spin and write numbers in the empty boxes until all 4 boxes have been filled.
4. Find the sum.
5. The partner with the greater sum wins the round.
6. The partner who won the most rounds wins the game. If there is a tie, players add the sums from all 4 rounds. The greater 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

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

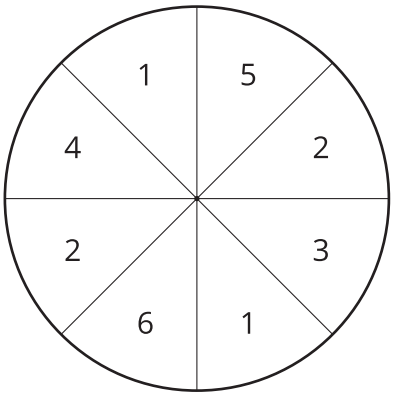
Total sum of all 4 rounds:

Activity 2

Least Sum

Use the directions to play Least Sum with a partner.

1. Spin the spinner.
2. Write the number in an empty box for Round 1. Be sure your partner can't see your paper. Once a number is written down, it can't be changed.
3. Take turns. Spin and write numbers in the empty boxes until all 4 boxes have been filled.
4. Find the sum.
5. The partner with the lesser sum wins the round.
6. The partner who won the most rounds wins the game. If there is a tie, partners add the sums from all 4 rounds. The lesser total sum wins the game.



Round 1

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

Round 2

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

Round 3

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

Round 4

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

Total sum of all 4 rounds: