## 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

$\frac{}{} + \frac{}{} =$

Round 2

$\frac{}{} + \frac{}{} =$

Round 3

$\frac{}{} + \frac{}{} =$

Round 4

$\frac{}{} + \frac{}{} =$

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

$\frac{}{} + \frac{}{} =$

Round 2

$\frac{}{} + \frac{}{} =$

Round 3

$\frac{}{} + \frac{}{} =$

Round 4

$\frac{}{} + \frac{}{} =$

Total sum of all 4 rounds:



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