## 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

$\frac{}{} − \frac{}{} =$

Round 2

$\frac{}{} − \frac{}{} =$

Round 3

$\frac{}{} − \frac{}{} =$

Round 4

$\frac{}{} − \frac{}{} =$

### 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 |

$\frac{}{} − \frac{}{} =$

$\frac{}{} − \frac{}{} =$



© CC BY 2021 Illustrative Mathematics®