

Different Ways to Show Sums

What You Need

- number cube
- 15 game markers in one color
- 15 game markers in a different color
- Game Board



Check Understanding

Use twelfths to write three different addition expressions that equal $\frac{5}{12}$.

What You Do

1. Take turns. Roll the number cube. Find the fraction sum next to that toss in the table.
2. Find one expression on the **Game Board** that has that sum. Your partner checks your expression.
3. If you are correct, place a game marker on that expression. If you are not correct or if there are no expressions with that sum, your turn ends.
4. Continue until all the expressions on the **Game Board** have been covered.
5. The player with the greater number of markers on the **Game Board** wins.

Toss	Sum
1	$\frac{9}{8}$
2	$\frac{5}{6}$
3	$\frac{3}{8}$
4	$\frac{4}{6}$
5	$\frac{8}{6}$
6	$\frac{7}{8}$

Go Further!

Write two addition expressions using sixths that equal $\frac{8}{6}$ and are NOT on the **Game Board**. Exchange papers with your partner to check.



Different Ways to Show Sums

$\frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{5}{6}$	$\frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6}$	$\frac{2}{8} + \frac{3}{8} + \frac{4}{8}$	$\frac{2}{6} + \frac{1}{6} + \frac{1}{6}$	$\frac{1}{8} + \frac{1}{8} + \frac{1}{8}$
$\frac{4}{6} + \frac{2}{6} + \frac{1}{6} + \frac{1}{6}$	$\frac{4}{8} + \frac{3}{8}$	$\frac{2}{6} + \frac{3}{6}$	$\frac{4}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8}$	$\frac{2}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6}$
$\frac{2}{8} + \frac{2}{8} + \frac{3}{8}$	$\frac{3}{6} + \frac{1}{6} + \frac{1}{6}$	$\frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{3}{8}$	$\frac{3}{6} + \frac{5}{6}$	$\frac{1}{6} + \frac{2}{6} + \frac{1}{6}$
$\frac{3}{8} + \frac{3}{8} + \frac{3}{8}$	$\frac{2}{6} + \frac{2}{6} + \frac{1}{6}$	$\frac{1}{8} + \frac{2}{8}$	$\frac{2}{6} + \frac{2}{6}$	$\frac{1}{8} + \frac{2}{8} + \frac{1}{8} + \frac{2}{8} + \frac{1}{8}$
$\frac{1}{6} + \frac{2}{6} + \frac{1}{6} + \frac{1}{6}$	$\frac{4}{8} + \frac{3}{8} + \frac{1}{8} + \frac{1}{8}$	$\frac{2}{6} + \frac{2}{6} + \frac{4}{6}$	$\frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6}$	$\frac{2}{8} + \frac{1}{8}$

I can combine or break apart addends to find different expressions for a sum.

