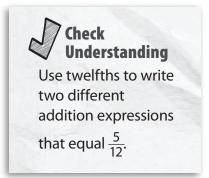## Different Ways to Show Sums

What You Need

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

> ✓ **Check Understanding**
>
> Use twelfths to write two 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. Use fraction strips to find one expression on the **Game Board** equal to that sum.

3. Your partner checks your work. 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	$\frac{6}{8}$
2	$\frac{5}{6}$
3	$\frac{3}{8}$
4	$\frac{4}{6}$
5	$\frac{3}{6}$
6	$\frac{7}{8}$

Go Further!

What is the greatest number of eighths that could be used to write an expression with a sum of $\frac{5}{8}$? What is the least number? Write each expression.

1

Partner A _____

Partner B _____

Different Ways to Show Sums

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

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