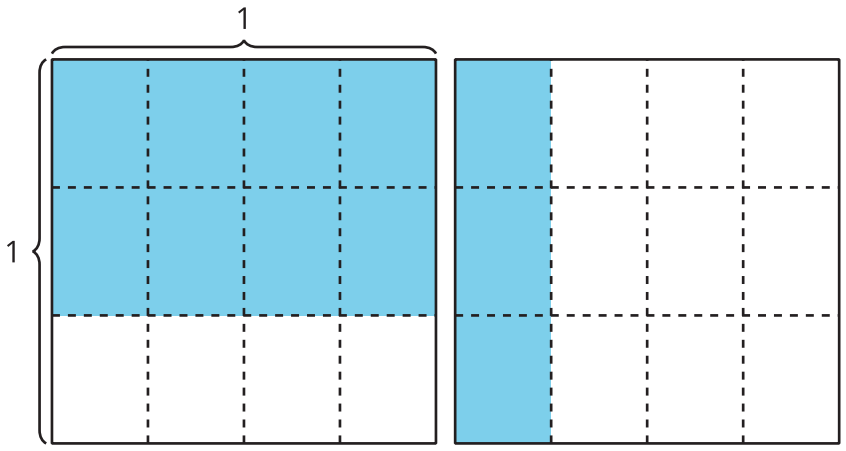
Lesson 10: All Sorts of Denominators

- Let's find common denominators.

Warm-up: How Many Do You See: Fraction Sum

How many do you see? How do you see them?



10.1: Different Denominators

Find the value of each expression. Explain or show your thinking.

1. $\frac{3}{4} + \frac{7}{8}$

2. $\frac{3}{4} + \frac{4}{6}$

3. $\frac{3}{4} - \frac{2}{5}$

10.2: Multiply Denominators

1. Here is Lin's strategy for finding the value of $\frac{2}{5} + \frac{4}{9}$: "I know 5×9 is a common denominator so I'll use that." Does Lin's strategy for finding a common denominator work? Explain or show your thinking and then find the value of $\frac{2}{5} + \frac{4}{9}$.

2. Find the value of each expression using a method that makes sense to you.

   a. $\frac{3}{8} + \frac{1}{5}$

   b. $\frac{7}{10} - \frac{2}{3}$

   c. $\frac{7}{20} + \frac{41}{50}$

   d. $\frac{2}{9} - \frac{1}{6}$