Unit 6, Lesson 11

Different Ways to Subtract

Let's subtract fractions and mixed numbers.

Warm-up

Number Talk: Mixed-Number Addition and Subtraction

Find the value of each expression mentally.

- $3 + \frac{7}{8}$
- $3 - \frac{7}{8}$
- $1\frac{5}{8} + \frac{6}{8}$
- $1\frac{5}{8} - \frac{6}{8}$

Activity 1

Challenging Differences

1. Circle all of the expressions that are equivalent to $3\frac{5}{8}$. Explain or show your reasoning.
   - $\frac{20}{8}$
   - $2\frac{13}{8}$
   - $3\frac{10}{16}$
2. Find the value of each expression. Explain or show your reasoning.
   - $3\frac{5}{8} - \frac{3}{16}$
   - $3\frac{5}{8} - 1\frac{15}{16}$
   - $3\frac{5}{8} - 1\frac{12}{16}$

Activity 2

Find the Difference

Find the value of each difference. Explain or show your reasoning.

1. $9\frac{1}{8} - 8\frac{8}{9}$

2. $3\frac{1}{2} - \frac{10}{4}$

3. $4\frac{3}{5} - 1\frac{2}{3}$