Unit 6, Lesson 13

# Put It All Together: Add and Subtract Fractions

Let's add and subtract fractions with unlike denominators.

Warm-up

## Number Talk: Sums with $\frac{1}{8}$

Find the value of each expression mentally.

- $\frac{1}{8} + \frac{5}{8}$

- $\frac{1}{8} + \frac{6}{16}$

- $\frac{1}{8} + \frac{1}{3}$

- $\frac{1}{8} + \frac{5}{12}$

Activity 1

## Common Denominators

$$\frac{4}{6} + \frac{5}{8}$$

Tyler says: "I can find the sum, using 18 as a common denominator."

Han says: "I can find the sum, using 24 as a common denominator."

Clare says: "I can find the sum, using 48 as a common denominator."

1. With whom do you agree? Explain or show your reasoning.

2. What is the value of $\frac{4}{6} + \frac{5}{8}$?

3. Are there other common denominators you can use to find the sum? Explain or show your reasoning.

Activity 2

## Unlike Denominators

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

1. $\frac{2}{5} + \frac{13}{15}$

2. $\frac{6}{5} - \frac{1}{3}$

3. $\frac{11}{12} + 3\frac{5}{9}$

4. $\frac{6}{10} - \frac{9}{25}$