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.

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

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

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

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

13.1: Common Denominators

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

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

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

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

1. Whom do you agree with? Explain or show your reasoning.

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

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

13.2: 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. $\frac{6}{10} - \frac{9}{25}$