## 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. $\frac{6}{10}−\frac{9}{25}$



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