

# Lesson 5 Reteach

## Add and Subtract Mixed Numbers

**To add or subtract mixed numbers:**

- Add or subtract the fractions. Rename using the LCD if necessary.
- Then, add or subtract the whole numbers.
- Simplify if necessary.

### Example 1

Find  $6\frac{1}{10} + 2\frac{3}{10}$ . Write in simplest form.

$$\begin{array}{r} 6\frac{1}{10} \\ + 2\frac{3}{10} \\ \hline 8\frac{4}{10} \text{ or } 8\frac{2}{5} \end{array}$$

Add the whole numbers and the fractions separately.

Simplify.

### Example 2

Find  $8\frac{2}{3} - 6\frac{1}{2}$ .

$$\begin{array}{r} 8\frac{2}{3} \rightarrow 8\frac{4}{6} \\ -6\frac{1}{2} \rightarrow 6\frac{3}{6} \\ \hline 2\frac{1}{6} \end{array}$$

Rename the fractions using the LCD.

Subtract.

### Example 3

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

$$\begin{array}{r} 4\frac{1}{4} \rightarrow 4\frac{5}{20} \rightarrow 3\frac{25}{20} \\ -2\frac{3}{5} \rightarrow 2\frac{12}{20} \rightarrow 2\frac{12}{20} \\ \hline 1\frac{13}{20} \end{array}$$

Rename  $4\frac{5}{20}$  as  $3\frac{25}{20}$ .

Subtract the whole numbers and then the fractions.

### Exercises

Add or subtract. Write in simplest form.

1.  $1\frac{3}{5} + 4\frac{1}{5} = 5\frac{4}{5}$

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

3.  $3\frac{2}{3} + 2\frac{1}{2} = 6\frac{1}{6}$

4.  $5\frac{3}{4} - 3\frac{1}{6} = 2\frac{7}{12}$

5.  $8 - 6\frac{7}{8} = 1\frac{1}{8}$

6.  $1\frac{4}{5} + \frac{3}{10} = 2\frac{1}{10}$