

Add Mixed Numbers with Unlike Denominators

Name _____

Review

You can add mixed numbers by decomposing the addends into whole numbers and fractions. Consider the equation $5\frac{1}{4} + 2\frac{2}{9} = ?$

$$\begin{array}{r} 5\frac{1}{4} \\ + 2\frac{2}{9} \\ \hline \end{array} \longrightarrow \begin{array}{r} 5\frac{1 \times 9}{4 \times 9} \\ + 2\frac{2 \times 4}{9 \times 4} \\ \hline \end{array} \longrightarrow \begin{array}{r} 5\frac{9}{36} \\ + 2\frac{8}{36} \\ \hline 7\frac{17}{36} \end{array}$$

So, $5\frac{1}{4} + 2\frac{2}{9} = 7\frac{17}{36}$.

What is the sum?

1.
$$\begin{array}{r} 2\frac{3}{4} \\ + 1\frac{1}{8} \\ \hline \end{array}$$

2.
$$\begin{array}{r} 6\frac{2}{5} \\ + 3\frac{3}{10} \\ \hline \end{array}$$

3.
$$\begin{array}{r} 3\frac{1}{9} \\ + 4\frac{5}{6} \\ \hline \end{array}$$

4.
$$\begin{array}{r} 1\frac{1}{2} \\ + 5\frac{3}{7} \\ \hline \end{array}$$

5.
$$\begin{array}{r} 3\frac{2}{9} \\ + 2\frac{2}{3} \\ \hline \end{array}$$

6.
$$\begin{array}{r} 1\frac{1}{4} \\ + 3\frac{5}{8} \\ \hline \end{array}$$