Subtract Mixed Numbers with Unlike Denominators

Name _____

Review

You can subtract mixed numbers by decomposing them into whole numbers and fractions.

Consider the equation: $5\frac{1}{4} - 2\frac{2}{9} = ?$

$$\begin{array}{r} 5\frac{1}{4} \\ -\ 2\frac{2}{9} \\ \hline \end{array} \quad \longrightarrow \quad \begin{array}{r} 5\frac{1 \times 9}{4 \times 9} \\ -\ 2\frac{2 \times 4}{9 \times 4} \\ \hline \end{array} \quad \longrightarrow \quad \begin{array}{r} 5\frac{9}{36} \\ -\ 2\frac{8}{36} \\ \hline 3\frac{1}{36} \end{array}$$

So, $5\frac{1}{4} - 2\frac{2}{9} = 3\frac{1}{36}$.

What is the difference?

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

4. $\begin{array}{r} 5\frac{5}{6} \\ -\ 1\frac{1}{4} \\ \hline \end{array}$

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

5. $\begin{array}{r} 4\frac{7}{9} \\ -\ 2\frac{2}{3} \\ \hline \end{array}$