

To add fractions with unlike denominators:

$$\begin{array}{r} \frac{2}{3} \longrightarrow \frac{2 \times 4}{3 \times 4} \longrightarrow \frac{8}{12} \\ + \frac{1}{4} \longrightarrow \frac{1 \times 3}{4 \times 3} \longrightarrow \frac{3}{12} \\ \hline \frac{11}{12} \end{array}$$

1. Find the lowest common denominator (LCD).
2. Rewrite each fraction using the LCD.
3. Add.
4. Simplify if possible.

$$\begin{array}{r} \frac{5}{6} \longrightarrow \frac{5 \times 5}{6 \times 5} \longrightarrow \frac{25}{30} \\ + \frac{2}{5} \longrightarrow \frac{2 \times 6}{5 \times 6} \longrightarrow \frac{12}{30} \\ \hline \frac{37}{30} \\ = 1 \frac{7}{30} \end{array}$$

Add. Simplify if possible.

1.
$$\begin{array}{r} \frac{2}{3} \\ + \frac{4}{9} \\ \hline \end{array}$$

2.
$$\begin{array}{r} \frac{1}{4} \\ + \frac{5}{8} \\ \hline \end{array}$$

3.
$$\begin{array}{r} \frac{3}{5} \\ + \frac{1}{10} \\ \hline \end{array}$$

4.
$$\begin{array}{r} \frac{5}{8} \\ + \frac{1}{2} \\ \hline \end{array}$$

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

6.
$$\begin{array}{r} \frac{1}{5} \\ + \frac{4}{15} \\ \hline \end{array}$$

7.
$$\begin{array}{r} \frac{1}{6} \\ + \frac{2}{3} \\ \hline \end{array}$$

8.
$$\begin{array}{r} \frac{7}{8} \\ + \frac{3}{4} \\ \hline \end{array}$$

9.
$$\begin{array}{r} \frac{1}{2} \\ + \frac{7}{8} \\ \hline \end{array}$$

10.
$$\begin{array}{r} \frac{5}{8} \\ + \frac{1}{4} \\ \hline \end{array}$$

11.
$$\begin{array}{r} \frac{6}{7} \\ + \frac{1}{14} \\ \hline \end{array}$$

12.
$$\begin{array}{r} \frac{5}{12} \\ + \frac{5}{6} \\ \hline \end{array}$$

 I can use equivalent fractions to add fractions with unlike denominators.