

Adding Mixed Numbers

example: $3\frac{2}{3} + 2\frac{3}{4}$

1. Find a common denominator and add the fractions

$$\begin{array}{r} 3\frac{2}{3} \begin{array}{l} \boxed{\times 4} \\ \boxed{\times 4} \end{array} \frac{8}{12} \\ + 2\frac{3}{4} \begin{array}{l} \boxed{\times 3} \\ \boxed{\times 3} \end{array} \frac{9}{12} \\ \hline 17 \\ \frac{12}{} \end{array}$$

2. If necessary, change the improper fraction to a mixed number $\frac{5}{12}$ carry the whole

$$\frac{17}{12} = 12 \frac{5}{12} \rightarrow \begin{array}{r} \textcircled{1} \\ 3\frac{2}{3} \\ + 2\frac{3}{4} \\ \hline 5 \\ \frac{12}{} \end{array}$$

3. Add the whole numbers

$$\begin{array}{r} \textcircled{1} \\ 3\frac{2}{3} \\ + 2\frac{3}{4} \\ \hline 6\frac{5}{12} \end{array}$$