

Subtracting Mixed Numbers

1. To add or subtract mixed numbers, work with each part (fraction/whole number) separately. Remember: Fractions must have common denominators.
2. Combine results. Be sure to reduce to lowest terms.

Example:

$$\begin{array}{r}
 4 \frac{3}{5} = \frac{12}{20} \\
 - 2 \frac{1}{4} = \frac{5}{20} \\
 \hline
 2 \frac{12-5}{20} = \frac{7}{20} \\
 \mathbf{2 \frac{7}{20}}
 \end{array}$$

Example:

$$\begin{array}{r}
 \overset{6}{\cancel{7}} \frac{1}{6} = \frac{4}{24} + \frac{24}{24} = \frac{28}{24} \\
 - 2 \frac{1}{4} = \frac{6}{24} \\
 \hline
 4 \frac{28-6}{24} = \frac{22}{24} = \frac{11}{12} \\
 \mathbf{4 \frac{11}{12}}
 \end{array}$$

$$\begin{array}{r}
 9 \frac{8}{10} \\
 - 8 \frac{3}{4} \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 8 \frac{5}{8} \\
 - 4 \frac{6}{8} \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 12 \frac{2}{6} \\
 - 10 \frac{1}{10} \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 12 \frac{3}{4} \\
 - 10 \frac{6}{10} \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 10 \frac{6}{8} \\
 - 4 \frac{3}{8} \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 10 \frac{5}{6} \\
 - 9 \frac{3}{4} \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 11 \frac{6}{10} \\
 - 6 \frac{3}{10} \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 10 \frac{7}{10} \\
 - 6 \frac{2}{3} \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 11 \frac{4}{8} \\
 - 4 \frac{3}{5} \\
 \hline
 \end{array}$$

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 \hline
 2 \frac{12-5}{20} = \frac{7}{20} \\
 \mathbf{2 \frac{7}{20}}
 \end{array}$$

Example:

$$\begin{array}{r}
 \cancel{6} \frac{1}{6} = \frac{4}{24} + \frac{24}{24} = \frac{28}{24} \\
 - 2 \frac{1}{4} = \frac{6}{24} \\
 \hline
 4 \frac{28-6}{24} = \frac{22}{24} = \frac{11}{12} \\
 \mathbf{4 \frac{11}{12}}
 \end{array}$$

$$\begin{array}{r}
 9 \frac{8}{10} \\
 - 8 \frac{3}{4} \\
 \hline
 1 \frac{1}{20}
 \end{array}$$

$$\begin{array}{r}
 8 \frac{5}{8} \\
 - 4 \frac{6}{8} \\
 \hline
 3 \frac{7}{8}
 \end{array}$$

$$\begin{array}{r}
 12 \frac{2}{6} \\
 - 10 \frac{1}{10} \\
 \hline
 2 \frac{7}{30}
 \end{array}$$

$$\begin{array}{r}
 12 \frac{3}{4} \\
 - 10 \frac{6}{10} \\
 \hline
 2 \frac{3}{20}
 \end{array}$$

$$\begin{array}{r}
 10 \frac{6}{8} \\
 - 4 \frac{3}{8} \\
 \hline
 6 \frac{3}{8}
 \end{array}$$

$$\begin{array}{r}
 10 \frac{5}{6} \\
 - 9 \frac{3}{4} \\
 \hline
 1 \frac{1}{12}
 \end{array}$$

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

$$\begin{array}{r}
 10 \frac{7}{10} \\
 - 6 \frac{2}{3} \\
 \hline
 4 \frac{1}{30}
 \end{array}$$

$$\begin{array}{r}
 11 \frac{4}{8} \\
 - 4 \frac{3}{5} \\
 \hline
 6 \frac{9}{10}
 \end{array}$$