

Fractions & Mixed Numbers- Sum & Difference
(with Common Denominators)

1) $12\frac{3}{7} + 4\frac{2}{7}$

$$\begin{array}{r} 12\frac{3}{7} \\ + 4\frac{2}{7} \\ \hline 16\frac{5}{7} \end{array}$$

2) $8\frac{9}{13} - \frac{4}{13}$

$$\begin{array}{r} 8\frac{9}{13} \\ - \frac{4}{13} \\ \hline 8\frac{5}{13} \end{array}$$

3) $17\frac{3}{8} - 4\frac{5}{8}$

$$\begin{array}{r} 17\frac{3}{8} + \frac{8}{8} \rightarrow 16\frac{11}{8} \\ - 4\frac{5}{8} \rightarrow 4\frac{5}{8} \\ \hline 12\frac{6}{8} \\ = 12\frac{3}{4} \end{array}$$

4) $26\frac{4}{7} + \frac{5}{7}$

$$\begin{array}{r} 26\frac{4}{7} \\ + \frac{5}{7} \\ \hline 26\frac{9}{7} \downarrow \\ = 26 + 1\frac{2}{7} = 27\frac{2}{7} \end{array}$$

5) $\frac{3}{10} + 12\frac{7}{10}$

$$\begin{array}{r} 12\frac{7}{10} \\ + \frac{3}{10} \\ \hline 12\frac{10}{10} \downarrow \\ = 12 + 1 = 13 \end{array}$$

6) $18\frac{3}{11} - 2\frac{5}{11}$

$$\begin{array}{r} 18\frac{3}{11} + \frac{11}{11} \rightarrow 17\frac{14}{11} \\ - 2\frac{5}{11} \rightarrow 2\frac{5}{11} \\ \hline 15\frac{9}{11} \end{array}$$

7) $5\frac{6}{11} + \frac{4}{11}$

$$\begin{array}{r} 5\frac{6}{11} \\ + \frac{4}{11} \\ \hline 5\frac{10}{11} \end{array}$$

8) $16\frac{9}{13} - 2\frac{5}{13}$

$$\begin{array}{r} 16\frac{9}{13} \\ - 2\frac{5}{13} \\ \hline 14\frac{4}{13} \end{array}$$

9) $19\frac{1}{6} - \frac{5}{6}$

$$\begin{array}{r} 19\frac{1}{6} + \frac{6}{6} \rightarrow 18\frac{7}{6} \\ - \frac{5}{6} \rightarrow \frac{5}{6} \\ \hline 18\frac{2}{6} = 18\frac{1}{3} \end{array}$$

10) $10\frac{5}{9} + 3\frac{7}{9}$

$$\begin{array}{r} 10\frac{5}{9} \\ + 3\frac{7}{9} \\ \hline 13\frac{12}{9} \downarrow \\ = 13 + 1\frac{3}{9} = 14\frac{3}{9} = 14\frac{1}{3} \end{array}$$

11) $8\frac{5}{7} + 3\frac{2}{7}$

$$\begin{array}{r} 8\frac{5}{7} \\ + 3\frac{2}{7} \\ \hline 11\frac{7}{7} \downarrow \\ = 11 + 1 = 12 \end{array}$$

12) $17\frac{3}{5} - 6\frac{1}{5}$

$$\begin{array}{r} 17\frac{3}{5} \\ - 6\frac{1}{5} \\ \hline 11\frac{2}{5} \end{array}$$