

Subtracting Mixed Numbers

a) $5\frac{1}{2} - 3\frac{3}{4}$

$$= \frac{\quad}{2} - \frac{\quad}{4}$$

$$= \frac{\quad}{4} - \frac{\quad}{4}$$

$$= \frac{\quad}{4} \text{ or } \frac{\quad}{4}$$

b) $4\frac{2}{5} - 1\frac{7}{10}$

$$= \frac{\quad}{5} - \frac{\quad}{10}$$

$$= \frac{\quad}{10} - \frac{\quad}{10}$$

$$= \frac{\quad}{10} \text{ or } \frac{\quad}{10}$$

c) $4\frac{1}{6} - 3\frac{3}{4}$

$$= \frac{\quad}{6} - \frac{\quad}{4}$$

$$= \frac{\quad}{12} - \frac{\quad}{12}$$

$$= \frac{\quad}{12}$$

d) $2\frac{2}{3} - \frac{5}{6}$

$$= \frac{\quad}{\quad} - \frac{\quad}{\quad}$$

$$= \frac{\quad}{\quad} - \frac{\quad}{\quad}$$

$$= \frac{\quad}{\quad} \text{ or } \frac{\quad}{\quad}$$

e) $4\frac{1}{4} - 1\frac{1}{12}$

$$= \frac{\quad}{\quad} - \frac{\quad}{\quad}$$

$$= \frac{\quad}{\quad} - \frac{\quad}{\quad}$$

$$= \frac{\quad}{\quad} = \frac{\quad}{\quad} \text{ or } \frac{\quad}{\quad}$$

f) $8\frac{1}{2} - 4\frac{2}{3}$

$$= \frac{\quad}{\quad} - \frac{\quad}{\quad}$$

$$= \frac{\quad}{\quad} - \frac{\quad}{\quad}$$

$$= \frac{\quad}{\quad} \text{ or } \frac{\quad}{\quad}$$

g) $4\frac{1}{2} - 3\frac{3}{5}$

$$=$$

$$=$$

$$=$$

h) $3\frac{1}{15} - 2\frac{1}{2}$

$$=$$

$$=$$

$$=$$

i) $9\frac{7}{9} - 7\frac{2}{3}$

$$=$$

$$=$$

$$=$$

j) $4\frac{3}{10} - 2\frac{3}{4}$

$$=$$

$$=$$

$$=$$

k) $2\frac{3}{11} - 1\frac{1}{3}$

$$=$$

$$=$$

$$=$$

l) $4\frac{2}{5} - 1\frac{5}{6}$

$$=$$

$$=$$

$$=$$

Subtracting Mixed Numbers Answers

$$\begin{aligned} \text{a) } 5\frac{1}{2} - 3\frac{3}{4} \\ &= \frac{11}{2} - \frac{3}{4} \\ &= \frac{22}{4} - \frac{3}{4} \\ &= \frac{19}{4} \text{ or } 4\frac{3}{4} \end{aligned}$$

$$\begin{aligned} \text{b) } 4\frac{2}{5} - 1\frac{7}{10} \\ &= \frac{22}{5} - \frac{17}{10} \\ &= \frac{44}{10} - \frac{17}{10} \\ &= \frac{27}{10} \text{ or } 2\frac{7}{10} \end{aligned}$$

$$\begin{aligned} \text{c) } 4\frac{1}{6} - 3\frac{3}{4} \\ &= \frac{25}{6} - \frac{15}{4} \\ &= \frac{50}{12} - \frac{45}{12} \\ &= \frac{5}{12} \end{aligned}$$

$$\begin{aligned} \text{d) } 2\frac{2}{3} - \frac{5}{6} \\ &= \frac{8}{3} - \frac{5}{6} \\ &= \frac{16}{6} - \frac{5}{6} \\ &= \frac{11}{6} \text{ or } 1\frac{5}{6} \end{aligned}$$

$$\begin{aligned} \text{e) } 4\frac{1}{4} - 1\frac{1}{12} \\ &= \frac{17}{4} - \frac{13}{12} \\ &= \frac{51}{12} - \frac{13}{12} \\ &= \frac{38}{12} = \frac{19}{6} \text{ or } 3\frac{1}{6} \end{aligned}$$

$$\begin{aligned} \text{f) } 8\frac{1}{2} - 4\frac{2}{3} \\ &= \frac{17}{2} - \frac{14}{3} \\ &= \frac{51}{6} - \frac{28}{6} \\ &= \frac{23}{6} \text{ or } 3\frac{5}{6} \end{aligned}$$

$$\begin{aligned} \text{g) } 4\frac{1}{2} - 3\frac{3}{5} \\ &= \frac{9}{2} - \frac{18}{5} \\ &= \frac{45}{10} - \frac{36}{10} \\ &= \frac{9}{10} \end{aligned}$$

$$\begin{aligned} \text{h) } 3\frac{1}{15} - 2\frac{1}{2} \\ &= \frac{46}{15} - \frac{5}{2} \\ &= \frac{92}{30} - \frac{75}{30} \\ &= \frac{17}{30} \end{aligned}$$

$$\begin{aligned} \text{i) } 9\frac{1}{9} - 7\frac{2}{3} \\ &= \frac{82}{9} - \frac{23}{3} \\ &= \frac{82}{9} - \frac{69}{9} \\ &= \frac{13}{9} \text{ or } 1\frac{4}{9} \end{aligned}$$

$$\begin{aligned} \text{j) } 4\frac{3}{10} - 2\frac{3}{4} \\ &= \frac{43}{10} - \frac{11}{4} \\ &= \frac{86}{20} - \frac{55}{20} \\ &= \frac{31}{20} \text{ or } 1\frac{11}{20} \end{aligned}$$

$$\begin{aligned} \text{k) } 2\frac{3}{11} - 1\frac{1}{3} \\ &= \frac{25}{11} - \frac{4}{3} \\ &= \frac{75}{33} - \frac{44}{33} \\ &= \frac{31}{33} \end{aligned}$$

$$\begin{aligned} \text{l) } 4\frac{2}{5} - 1\frac{5}{6} \\ &= \frac{22}{5} - \frac{11}{6} \\ &= \frac{132}{30} - \frac{55}{30} \\ &= \frac{77}{30} \text{ or } 2\frac{17}{30} \end{aligned}$$