

Adding Mixed Numbers

a) $5\frac{1}{2} + \frac{1}{4}$

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

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

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

b) $3\frac{1}{3} + 2\frac{5}{6}$

$$= \frac{\quad}{3} + \frac{\quad}{6}$$

$$= \frac{\quad}{6} + \frac{\quad}{6}$$

$$= \frac{\quad}{6} \text{ or } \frac{\quad}{6}$$

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

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

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

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

d) $2\frac{3}{10} + \frac{3}{5}$

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

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

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

e) $1\frac{2}{3} + 2\frac{2}{5}$

$$= \frac{\quad}{3} + \frac{\quad}{5}$$

$$= \frac{\quad}{15} + \frac{\quad}{15}$$

$$= \frac{\quad}{15} \text{ or } \frac{\quad}{15}$$

f) $2\frac{1}{2} + 1\frac{2}{3}$

$$= \frac{\quad}{2} + \frac{\quad}{3}$$

$$= \frac{\quad}{6} + \frac{\quad}{6}$$

$$= \frac{\quad}{6} \text{ or } \frac{\quad}{6}$$

g) $2\frac{1}{2} + 2\frac{4}{7}$

$$=$$

$$=$$

$$=$$

h) $1\frac{2}{11} + 1\frac{1}{2}$

$$=$$

$$=$$

$$=$$

i) $7\frac{1}{9} + 2\frac{2}{3}$

$$=$$

$$=$$

$$=$$

j) $4\frac{7}{10} + 1\frac{3}{4}$

$$=$$

$$=$$

$$=$$

k) $2\frac{4}{11} + 2\frac{2}{3}$

$$=$$

$$=$$

$$=$$

l) $2\frac{3}{4} + 1\frac{3}{14}$

$$=$$

$$=$$

$$=$$

Adding Mixed Numbers Answers

$$\begin{aligned} \text{a) } 5\frac{1}{2} + \frac{1}{4} \\ &= \frac{11}{2} + \frac{1}{4} \\ &= \frac{22}{4} + \frac{1}{4} \\ &= \frac{23}{4} \text{ or } 5\frac{3}{4} \end{aligned}$$

$$\begin{aligned} \text{b) } 3\frac{1}{3} + 2\frac{5}{6} \\ &= \frac{10}{3} + \frac{17}{6} \\ &= \frac{20}{6} + \frac{17}{6} \\ &= \frac{37}{6} \text{ or } 6\frac{1}{6} \end{aligned}$$

$$\begin{aligned} \text{c) } 4\frac{1}{6} + 3\frac{3}{4} \\ &= \frac{25}{6} + \frac{15}{4} \\ &= \frac{50}{12} + \frac{45}{12} \\ &= \frac{95}{12} \text{ or } 7\frac{11}{12} \end{aligned}$$

$$\begin{aligned} \text{d) } 2\frac{3}{10} + \frac{3}{5} \\ &= \frac{23}{10} + \frac{3}{5} \\ &= \frac{23}{10} + \frac{6}{10} \\ &= \frac{29}{10} \text{ or } 2\frac{9}{10} \end{aligned}$$

$$\begin{aligned} \text{e) } 1\frac{2}{3} + 2\frac{2}{5} \\ &= \frac{5}{3} + \frac{12}{5} \\ &= \frac{25}{15} + \frac{36}{15} \\ &= \frac{61}{15} \text{ or } 4\frac{1}{15} \end{aligned}$$

$$\begin{aligned} \text{f) } 2\frac{1}{2} + 1\frac{2}{3} \\ &= \frac{5}{2} + \frac{5}{3} \\ &= \frac{15}{6} + \frac{10}{6} \\ &= \frac{25}{6} \text{ or } 4\frac{1}{6} \end{aligned}$$

$$\begin{aligned} \text{g) } 2\frac{1}{2} + 2\frac{4}{7} \\ &= \frac{5}{2} + \frac{18}{7} \\ &= \frac{35}{14} + \frac{36}{14} \\ &= \frac{71}{14} \text{ or } 5\frac{1}{14} \end{aligned}$$

$$\begin{aligned} \text{h) } 1\frac{2}{11} + 1\frac{1}{2} \\ &= \frac{13}{11} + \frac{3}{2} \\ &= \frac{26}{22} + \frac{33}{22} \\ &= \frac{59}{22} \text{ or } 2\frac{15}{22} \end{aligned}$$

$$\begin{aligned} \text{i) } 7\frac{1}{9} + 2\frac{2}{3} \\ &= \frac{64}{9} + \frac{8}{3} \\ &= \frac{64}{9} + \frac{24}{9} \\ &= \frac{88}{9} \text{ or } 9\frac{7}{9} \end{aligned}$$

$$\begin{aligned} \text{j) } 4\frac{7}{10} + 1\frac{3}{4} \\ &= \frac{47}{10} + \frac{7}{4} \\ &= \frac{94}{20} + \frac{35}{20} \\ &= \frac{129}{20} \text{ or } 6\frac{9}{20} \end{aligned}$$

$$\begin{aligned} \text{k) } 2\frac{4}{11} + 2\frac{2}{3} \\ &= \frac{26}{11} + \frac{8}{3} \\ &= \frac{78}{33} + \frac{88}{33} \\ &= \frac{166}{33} \text{ or } 5\frac{1}{33} \end{aligned}$$

$$\begin{aligned} \text{l) } 2\frac{3}{4} + 1\frac{3}{14} \\ &= \frac{11}{4} + \frac{17}{14} \\ &= \frac{77}{28} + \frac{34}{28} \\ &= \frac{111}{28} \text{ or } 3\frac{27}{28} \end{aligned}$$