

Adding Mixed Numbers to Whole Numbers or Fractions

AMN 1

Instructions: Add these mixed numbers, whole numbers and fractions.

$$\begin{aligned} 1 \quad & 3\frac{2}{9} + 5 \\ & = 5 + 3 + \frac{2}{9} \\ & = \left(8\frac{2}{9}\right) \end{aligned}$$

$$\begin{aligned} 2 \quad & \frac{1}{7} + 6\frac{5}{7} \\ & = 6 + \frac{1}{7} + \frac{5}{7} \\ & = \left(6\frac{6}{7}\right) \end{aligned}$$

$$3 \quad \frac{1}{3} + 5\frac{1}{3}$$

$$4 \quad 4 + 6\frac{1}{9}$$

$$5 \quad 1\frac{1}{8} + 1$$

$$6 \quad 2\frac{4}{10} + \frac{3}{10}$$

$$7 \quad 20 + 3\frac{5}{6}$$

$$8 \quad 7\frac{5}{12} + 7$$

$$9 \quad \frac{1}{7} + 4 + 1\frac{2}{7}$$

$$10 \quad 7 + 3\frac{1}{5} + 10$$

Adding Mixed Numbers (with like fractions)

AMN 2

Instructions: Add these mixed numbers. Regroup and/or simplify your answers if possible.

$$\begin{aligned} \text{1} \quad & 4\frac{1}{5} + 1\frac{3}{5} \\ & = 4 + 1 + \frac{1}{5} + \frac{3}{5} \\ & = \left(5\frac{4}{5}\right) \end{aligned}$$

$$\begin{aligned} \text{2} \quad & 2\frac{1}{4} + 5\frac{3}{4} \\ & = 2 + 5 + \frac{1}{4} + \frac{3}{4} \\ & = 7\frac{4}{4} = \left(8\right) \end{aligned}$$

$$\text{3} \quad 3\frac{4}{9} + 3\frac{1}{9}$$

$$\text{4} \quad 8\frac{1}{3} + 2\frac{1}{3}$$

$$\text{5} \quad 10\frac{1}{8} + 1\frac{3}{8}$$

$$\text{6} \quad 1\frac{6}{10} + 3\frac{4}{10}$$

$$\text{7} \quad 7\frac{3}{12} + 8\frac{5}{12}$$

$$\text{8} \quad 4\frac{1}{9} + 8\frac{5}{9}$$

$$\text{9} \quad 1\frac{1}{8} + 2\frac{2}{8} + 3\frac{3}{8}$$

$$\text{10} \quad 2\frac{1}{3} + 3\frac{1}{3} + 4\frac{1}{3}$$

Adding Mixed Numbers (with answers that need regrouping)

AMN 3

Instructions: Add these mixed numbers. Regroup and/or simplify your answers if possible.

$$\begin{aligned}
 \text{1} \quad & 2\frac{4}{5} + 1\frac{3}{5} \\
 & = 2 + 1 + \frac{4}{5} + \frac{3}{5} \\
 & = 3 + \frac{7}{5} = 3 + \frac{5}{5} + \frac{2}{5} \\
 & = 3 + 1 + \frac{2}{5} = \boxed{4\frac{2}{5}}
 \end{aligned}$$

$$\text{2} \quad 5\frac{4}{7} + 3\frac{4}{7}$$

$$\text{3} \quad 3\frac{3}{8} + 2\frac{6}{8}$$

$$\text{4} \quad 9\frac{3}{5} + 5\frac{3}{5}$$

$$\text{5} \quad 5\frac{9}{10} + 5\frac{4}{10}$$

$$\text{6} \quad 7\frac{2}{3} + 1\frac{4}{3}$$

$$\text{7} \quad 1\frac{3}{8} + 5\frac{7}{8}$$

$$\text{8} \quad 2\frac{5}{6} + 1\frac{2}{6}$$

Adding Mixed Numbers (with un-like fractions)

AMN 4

Instructions: Add these mixed numbers. Regroup and/or simplify your answers if possible.

1 $3\frac{2}{3} + 6\frac{1}{4}$

$$= 3 + 6 + \left(\frac{4}{4}\right)\frac{2}{3} + \frac{1}{4}\left(\frac{3}{3}\right)$$

$$= 9 + \frac{8}{12} + \frac{3}{12} = \left(9\frac{11}{12}\right)$$

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

3 $4\frac{1}{2} + 3\frac{1}{8}$

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

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

6 $5\frac{1}{6} + 5\frac{1}{2}$

7 $3\frac{3}{10} + 1\frac{1}{2}$

8 $6\frac{7}{9} + 10\frac{2}{3}$

Adding Mixed Numbers (stacked format)

AMN 5

Instructions: Add these mixed numbers. In some problems, you may need to convert to like-fractions. Regroup and/or simplify your answers if possible.

$$\begin{array}{r} 1 \quad 7\frac{1}{5} \\ + 2\frac{3}{5} \\ \hline \end{array}$$

$$\begin{array}{r} 2 \quad 4\frac{1}{2} \\ + 1\frac{3}{4} \\ \hline \end{array}$$

$$\begin{array}{r} 3 \quad 8\frac{2}{5} \\ + 2\frac{1}{3} \\ \hline \end{array}$$

$$\begin{array}{r} 4 \quad 3\frac{1}{2} \\ + 4\frac{3}{7} \\ \hline \end{array}$$

$$\begin{array}{r} 5 \quad 12\frac{3}{8} \\ + 3\frac{3}{8} \\ \hline \end{array}$$

$$\begin{array}{r} 6 \quad 1\frac{7}{8} \\ + 1\frac{1}{2} \\ \hline \end{array}$$

$$\begin{array}{r} 7 \quad 9\frac{1}{10} \\ + 4\frac{7}{10} \\ \hline \end{array}$$

$$\begin{array}{r} 8 \quad 10\frac{1}{3} \\ + 1\frac{2}{3} \\ \hline \end{array}$$

$$\begin{array}{r} 9 \quad 4\frac{5}{6} \\ + 4\frac{1}{2} \\ \hline \end{array}$$