

Name: \_\_\_\_\_

## Adding Mixed Numbers

with like Denominator, Requires Simplifying

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

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

same

$$\begin{array}{r} 3\frac{3}{8} \\ + 2\frac{1}{8} \\ \hline 4\frac{4}{8} \end{array}$$

$$\begin{array}{r} 3\frac{3}{8} \\ + 2\frac{1}{8} \\ \hline 5\frac{4}{8} \end{array}$$

$$\begin{array}{r} 3\frac{3}{8} \\ + 2\frac{1}{8} \\ \hline 5\frac{4}{8} = 5\frac{1}{2} \end{array}$$

Add the fractions and simplify the answers.

a. 
$$\begin{array}{r} 5\frac{2}{6} \\ + 4\frac{2}{6} \\ \hline \end{array}$$

b. 
$$\begin{array}{r} 6\frac{1}{4} \\ + 1\frac{1}{4} \\ \hline \end{array}$$

c. 
$$\begin{array}{r} 3\frac{2}{10} \\ + 5\frac{3}{10} \\ \hline \end{array}$$

d. 
$$\begin{array}{r} 3\frac{2}{8} \\ + 6\frac{4}{8} \\ \hline \end{array}$$

e. 
$$\begin{array}{r} 3\frac{2}{9} \\ + 1\frac{1}{9} \\ \hline \end{array}$$

f. 
$$\begin{array}{r} 2\frac{3}{12} \\ + \frac{1}{12} \\ \hline \end{array}$$

g. 
$$\begin{array}{r} 1\frac{3}{10} \\ + 5\frac{5}{10} \\ \hline \end{array}$$

h. 
$$\begin{array}{r} 2\frac{3}{14} \\ + 1\frac{3}{14} \\ \hline \end{array}$$

i. 
$$\begin{array}{r} \frac{1}{6} \\ + 4\frac{2}{6} \\ \hline \end{array}$$

j. 
$$\begin{array}{r} 2\frac{1}{8} \\ + 4\frac{1}{8} \\ \hline \end{array}$$

k. 
$$\begin{array}{r} 2\frac{2}{9} \\ + 3\frac{4}{9} \\ \hline \end{array}$$

l. 
$$\begin{array}{r} 1\frac{3}{12} \\ + 1\frac{3}{12} \\ \hline \end{array}$$

m. 
$$\begin{array}{r} 6\frac{4}{10} \\ + 2\frac{2}{10} \\ \hline \end{array}$$

n. 
$$\begin{array}{r} 5\frac{6}{14} \\ + \frac{4}{14} \\ \hline \end{array}$$

o. 
$$\begin{array}{r} 1\frac{2}{12} \\ + 7\frac{4}{12} \\ \hline \end{array}$$

p. Tom's family ate  $1\frac{2}{8}$  apple pies.

Susie's family ate  $1\frac{4}{8}$  cherry pies.

How much pie did both families eat?

# ANSWER KEY

## Adding Mixed Numbers

with like Denominator, Requires Simplifying

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

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

same

$$\begin{array}{r} 3\frac{3}{8} \\ + 2\frac{1}{8} \\ \hline 4\frac{4}{8} \end{array}$$

$$\begin{array}{r} 3\frac{3}{8} \\ + 2\frac{1}{8} \\ \hline 5\frac{4}{8} \end{array}$$

$$\begin{array}{r} 3\frac{3}{8} \\ + 2\frac{1}{8} \\ \hline 5\frac{4}{8} = 5\frac{1}{2} \end{array}$$

Add the fractions and simplify the answers.

a. 
$$\begin{array}{r} 5\frac{2}{6} \\ + 4\frac{2}{6} \\ \hline \end{array}$$

$$9\frac{4}{6} = 9\frac{2}{3}$$

b. 
$$\begin{array}{r} 6\frac{1}{4} \\ + 1\frac{1}{4} \\ \hline \end{array}$$

$$7\frac{2}{4} = 7\frac{1}{2}$$

c. 
$$\begin{array}{r} 3\frac{2}{10} \\ + 5\frac{3}{10} \\ \hline \end{array}$$

$$8\frac{5}{10} = 8\frac{1}{2}$$

d. 
$$\begin{array}{r} 3\frac{2}{8} \\ + 6\frac{4}{8} \\ \hline \end{array}$$

$$9\frac{6}{8} = 9\frac{3}{4}$$

e. 
$$\begin{array}{r} 3\frac{2}{9} \\ + 1\frac{1}{9} \\ \hline \end{array}$$

$$4\frac{3}{9} = 4\frac{1}{3}$$

f. 
$$\begin{array}{r} 2\frac{3}{12} \\ + \frac{1}{12} \\ \hline \end{array}$$

$$2\frac{4}{12} = 2\frac{1}{3}$$

g. 
$$\begin{array}{r} 1\frac{3}{10} \\ + 5\frac{5}{10} \\ \hline \end{array}$$

$$6\frac{8}{10} = 6\frac{4}{5}$$

h. 
$$\begin{array}{r} 2\frac{3}{14} \\ + 1\frac{3}{14} \\ \hline \end{array}$$

$$3\frac{6}{14} = 3\frac{3}{7}$$

i. 
$$\begin{array}{r} \frac{1}{6} \\ + 4\frac{2}{6} \\ \hline \end{array}$$

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

j. 
$$\begin{array}{r} 2\frac{1}{8} \\ + 4\frac{1}{8} \\ \hline \end{array}$$

$$6\frac{2}{8} = 6\frac{1}{4}$$

k. 
$$\begin{array}{r} 2\frac{2}{9} \\ + 3\frac{4}{9} \\ \hline \end{array}$$

$$5\frac{6}{9} = 5\frac{2}{3}$$

l. 
$$\begin{array}{r} 1\frac{3}{12} \\ + 1\frac{3}{12} \\ \hline \end{array}$$

$$2\frac{6}{12} = 2\frac{1}{2}$$

m. 
$$\begin{array}{r} 6\frac{4}{10} \\ + 2\frac{2}{10} \\ \hline \end{array}$$

$$8\frac{6}{10} = 8\frac{3}{5}$$

n. 
$$\begin{array}{r} 5\frac{6}{14} \\ + \frac{4}{14} \\ \hline \end{array}$$

$$5\frac{10}{14} = 5\frac{5}{7}$$

o. 
$$\begin{array}{r} 1\frac{2}{12} \\ + 7\frac{4}{12} \\ \hline \end{array}$$

$$8\frac{6}{12} = 8\frac{1}{2}$$

p. Tom's family ate  $1\frac{2}{8}$  apple pies.

Susie's family ate  $1\frac{4}{8}$  cherry pies.

$$2\frac{6}{8} = 2\frac{3}{4}$$

How much pie did both families eat?

Both families ate  $2\frac{3}{4}$  of pie.