

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

## Subtracting Mixed Numbers

with Like Denominators, Requires Simplifying

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

Diagram illustrating the subtraction process with like denominators. The first step shows the mixed numbers  $3\frac{3}{8}$  and  $2\frac{1}{8}$  with a bracket labeled "same" indicating the common denominator. The second step shows the subtraction of the fractions, resulting in  $1\frac{2}{8}$ . The final step shows the simplified answer  $1\frac{2}{8} = 1\frac{1}{4}$ .

Add the fractions and simplify the answers.



# ~ PREVIEW ~

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k. 
$$\begin{array}{r} 4\frac{8}{9} \\ - 3\frac{2}{9} \\ \hline \end{array}$$

l. 
$$\begin{array}{r} 1\frac{6}{12} \\ - 1\frac{3}{12} \\ \hline \end{array}$$

m. 
$$\begin{array}{r} 6\frac{6}{10} \\ - 3\frac{2}{10} \\ \hline \end{array}$$

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

o. 
$$\begin{array}{r} 7\frac{6}{12} \\ - 1\frac{4}{12} \\ \hline \end{array}$$

p. Tom walked  $2\frac{5}{6}$  miles on Wednesday.

He walked  $1\frac{1}{6}$  miles on Thursday.

How many more miles did he walk on Wednesday?

# ANSWER KEY

## Subtracting Mixed Numbers

with Like Denominators, Requires Simplifying

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

same

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

Add the fractions and simplify the answers.



# ~ PREVIEW ~

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

$$2\frac{4}{10} = 2\frac{2}{5}$$

$$\frac{4}{14} = \frac{2}{7}$$

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

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

k. 
$$\begin{array}{r} 4\frac{8}{9} \\ - 3\frac{2}{9} \\ \hline \end{array}$$

$$1\frac{6}{9} = 1\frac{2}{3}$$

l. 
$$\begin{array}{r} 1\frac{6}{12} \\ - 1\frac{3}{12} \\ \hline \end{array}$$

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

m. 
$$\begin{array}{r} 6\frac{6}{10} \\ - 3\frac{2}{10} \\ \hline \end{array}$$

$$3\frac{4}{10} = 3\frac{2}{5}$$

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

$$5\frac{2}{14} = 5\frac{1}{7}$$

o. 
$$\begin{array}{r} 7\frac{6}{12} \\ - 1\frac{4}{12} \\ \hline \end{array}$$

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

p. Tom walked  $2\frac{5}{6}$  miles on Wednesday.

He walked  $1\frac{1}{6}$  miles on Thursday.

How many more miles did he walk on Wednesday?

$$\begin{array}{r} 2\frac{5}{6} \\ - 1\frac{1}{6} \\ \hline 1\frac{4}{6} = 1\frac{2}{3} \end{array}$$