

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:

- Step 1: $3 \frac{3}{8} - 2 \frac{1}{8}$ (same denominators)
- Step 2: Borrowing 1 from the whole number 3 to convert it to $2 \frac{8}{8}$, then adding the 8/8 to the 3/8 to get $11 \frac{8}{8}$.
- Step 3: $11 \frac{8}{8} - 2 \frac{1}{8} = 9 \frac{7}{8}$
- Step 4: Simplifying the result: $9 \frac{7}{8} = 1 \frac{2}{8} = 1 \frac{1}{4}$

Subtract the fractions and simplify the answers.

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

b.
$$\begin{array}{r}
 6 \frac{3}{4} \\
 - 1 \frac{1}{4} \\
 \hline
 \end{array}$$

c.
$$\begin{array}{r}
 9 \frac{5}{10} \\
 - 5 \frac{3}{10} \\
 \hline
 \end{array}$$

d.
$$\begin{array}{r}
 8 \frac{6}{8} \\
 - 6 \frac{4}{8} \\
 \hline
 \end{array}$$

e.
$$\begin{array}{r}
 3 \frac{4}{9} \\
 - 1 \frac{1}{9} \\
 \hline
 \end{array}$$

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

g.
$$\begin{array}{r}
 7 \frac{9}{10} \\
 - 5 \frac{5}{10} \\
 \hline
 \end{array}$$

h.
$$\begin{array}{r}
 2 \frac{7}{14} \\
 - 2 \frac{3}{14} \\
 \hline
 \end{array}$$

i.
$$\begin{array}{r}
 5 \frac{4}{6} \\
 - 4 \frac{2}{6} \\
 \hline
 \end{array}$$

j.
$$\begin{array}{r}
 6 \frac{5}{8} \\
 - 4 \frac{1}{8} \\
 \hline
 \end{array}$$

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

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?