

Name: _____

Adding Mixed Numbers

with the Like Denominators, Requires Simplifying

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

The diagram shows the addition of the fractions $\frac{3}{8} + \frac{1}{8} = \frac{4}{8}$. A bracket labeled "same" indicates that the denominators are the same. The result $\frac{4}{8}$ is then simplified to $\frac{1}{2}$. The final answer is $5\frac{1}{2}$.

Add the fractions and simplify the answers.

a. $5\frac{2}{6}$
 $+ 4\frac{2}{6}$
 $\hline$

b. $6\frac{1}{4}$
 $+ 1\frac{1}{4}$
 $\hline$

c. $3\frac{2}{10}$
 $+ 5\frac{3}{10}$
 $\hline$

d. $3\frac{2}{8}$
 $+ 6\frac{4}{8}$
 $\hline$

e. $3\frac{2}{9}$
 $+ 1\frac{1}{9}$
 $\hline$

f. $2\frac{3}{12}$
 $+ \frac{1}{12}$
 $\hline$

g. $1\frac{3}{10}$
 $+ 5\frac{5}{10}$
 $\hline$

h. $2\frac{3}{14}$
 $+ 1\frac{3}{14}$
 $\hline$

i. $\frac{1}{6}$
 $+ 4\frac{2}{6}$
 $\hline$

j. $2\frac{1}{8}$
 $+ 4\frac{1}{8}$
 $\hline$

k. $2\frac{2}{9}$
 $+ 3\frac{4}{9}$
 $\hline$

l. $1\frac{3}{12}$
 $+ 1\frac{3}{12}$
 $\hline$

m. $6\frac{4}{10}$
 $+ 2\frac{2}{10}$
 $\hline$

n. $5\frac{6}{14}$
 $+ \frac{4}{14}$
 $\hline$

o. $1\frac{2}{12}$
 $+ 7\frac{4}{12}$
 $\hline$

- 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 the Like Denominators, Requires Simplifying

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

The diagram illustrates the addition of the mixed numbers $3 \frac{3}{8}$ and $2 \frac{1}{8}$. It shows the whole numbers being added ($3 + 2 = 5$) and the fractions being added ($\frac{3}{8} + \frac{1}{8} = \frac{4}{8}$). A bracket labeled "same" indicates that the denominators are the same. The final result is $5 \frac{4}{8}$, which is simplified to $5 \frac{1}{2}$.

Add the fractions and simplify the answers.

Blank area for student work.