

Name: _____

Adding Fractions

with Unlike Denominators

Step 1: Find equivalent fractions and rewrite the problem so that the denominators are the same.

Step 2: Add the numerators.

Step 3: Use the same denominator.

example:

$$\begin{array}{r} \frac{2}{3} = \frac{4}{6} \\ + \frac{1}{2} = \frac{3}{6} \\ \hline \frac{7}{6} \text{ or } 1\frac{1}{6} \end{array}$$

a.
$$\begin{array}{r} \frac{1}{4} \\ + \frac{1}{3} \\ \hline \end{array}$$

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

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

d.
$$\begin{array}{r} \frac{4}{5} \\ + \frac{8}{10} \\ \hline \end{array}$$

e.
$$\begin{array}{r} \frac{1}{2} \\ + \frac{2}{10} \\ \hline \end{array}$$

f.
$$\begin{array}{r} \frac{2}{4} \\ + \frac{5}{8} \\ \hline \end{array}$$

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

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

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

j.
$$\begin{array}{r} \frac{4}{5} \\ + \frac{1}{2} \\ \hline \end{array}$$

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

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

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ANSWER KEY

a. $\frac{7}{12}$

b. $\frac{8}{15}$

c. $\frac{3}{4}$

d. $\frac{16}{10}$ or $1\frac{3}{5}$

e. $\frac{7}{10}$

f. $\frac{9}{8}$ or $1\frac{1}{8}$

g. $\frac{7}{8}$

h. $\frac{7}{8}$

i. $\frac{17}{12}$ or $1\frac{5}{12}$

j. $\frac{13}{10}$ or $1\frac{3}{10}$

k. $\frac{4}{6}$ or $\frac{2}{3}$

l. $\frac{14}{15}$