Name:

Adding Fractions with the Unlike Denominator, Requires Simplifying

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

$$+ \frac{1}{6} \qquad + \frac{1}{6} = \frac{1}{6} \qquad + \frac{1}{6} = \frac{1}{6}$$

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

$$+ \frac{1}{6} = \frac{1}{6} \qquad + \frac{1}{6} = \frac{1}{6}$$

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

Add the fractions and simplify the answers.

a.
$$\frac{2}{12} + \frac{4}{6}$$

b.
$$\frac{4}{8} + \frac{1}{4}$$

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

d.
$$\frac{1}{3} + \frac{3}{9}$$

e.
$$\frac{2}{10}$$
 $+\frac{2}{5}$

f.
$$\frac{3}{6}$$
 $+\frac{2}{12}$

g.
$$\frac{1}{2}$$
 $+\frac{1}{10}$

h.
$$\frac{1}{6}$$
 $+\frac{1}{3}$

i.
$$\frac{1}{6}$$
 $+\frac{4}{12}$

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

k.
$$\frac{1}{5}$$
 $+\frac{2}{10}$

1.
$$\frac{4}{14}$$
 $+\frac{1}{7}$

m.
$$\frac{1}{4}$$
 $\frac{1}{3}$ $+\frac{3}{12}$

n.
$$\frac{1}{2}$$
 $\frac{1}{10}$ $+\frac{1}{5}$

o.
$$\frac{1}{14}$$
 $\frac{2}{7}$ $+\frac{1}{7}$

p.
$$\frac{1}{8}$$
 $\frac{1}{2}$ $+\frac{1}{8}$

ANSWER KEY

Adding Fractions with the Unlike Denominator, Requires Simplifying

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

Add the fractions and simplify the answers.

a.

e.

i.

m.