

Name: _____

Subtracting Fraction

with Unlike Denominator, Requires Simplifying

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

$$\frac{2}{3} = \frac{4}{6} \quad \frac{1}{6} = \frac{1}{6}$$

$$\frac{2}{3} = \frac{4}{6} \quad \frac{1}{6} = \frac{1}{6} \quad \text{same}$$

$$\frac{2}{3} = \frac{4}{6} \quad \frac{1}{6} = \frac{1}{6}$$

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

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

Subtract the fractions and simplify the answers.

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

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

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

d. $\frac{3}{7} - \frac{2}{14}$

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

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

g. $\frac{4}{5} - \frac{2}{10}$

h. $\frac{5}{6} - \frac{1}{3}$

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

j. $\frac{3}{4} - \frac{2}{8}$

k. $\frac{10}{14} - \frac{2}{7}$

l. $\frac{5}{6} - \frac{2}{12}$

m. $\frac{11}{12} - \frac{1}{6}$

n. $\frac{9}{10} - \frac{2}{5}$

o. $\frac{2}{3} - \frac{3}{9}$

p. $\frac{5}{6} - \frac{1}{2}$

ANSWER KEY

Subtracting Fraction

with Unlike Denominator, Requires Simplifying

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

Subtract the fractions and simplify the answers.

a. $\frac{4}{6} = \frac{8}{12}$
 $\frac{2}{12} = \frac{2}{12}$
 $\frac{8}{12} - \frac{2}{12} = \frac{6}{12} = \frac{1}{2}$

b. $\frac{4}{8} = \frac{4}{8}$
 $\frac{1}{4} = \frac{2}{8}$
 $\frac{4}{8} - \frac{2}{8} = \frac{2}{8} = \frac{1}{4}$

c. $\frac{3}{5} = \frac{6}{10}$
 $\frac{2}{10} = \frac{2}{10}$
 $\frac{6}{10} - \frac{2}{10} = \frac{4}{10} = \frac{2}{5}$

d. $\frac{3}{7} = \frac{6}{14}$
 $\frac{2}{14} = \frac{2}{14}$
 $\frac{6}{14} - \frac{2}{14} = \frac{4}{14} = \frac{2}{7}$

e. $\frac{2}{5} = \frac{4}{10}$
 $\frac{2}{10} = \frac{2}{10}$
 $\frac{4}{10} - \frac{2}{10} = \frac{2}{10} = \frac{1}{5}$

f. $\frac{3}{6} = \frac{6}{12}$
 $\frac{2}{12} = \frac{2}{12}$
 $\frac{6}{12} - \frac{2}{12} = \frac{4}{12} = \frac{1}{3}$

g. $\frac{4}{5} = \frac{8}{10}$
 $\frac{2}{10} = \frac{2}{10}$
 $\frac{8}{10} - \frac{2}{10} = \frac{6}{10} = \frac{3}{5}$

h. $\frac{5}{6} = \frac{5}{6}$
 $\frac{1}{3} = \frac{2}{6}$
 $\frac{5}{6} - \frac{2}{6} = \frac{3}{6} = \frac{1}{2}$

i. $\frac{4}{12} = \frac{4}{12}$
 $\frac{1}{6} = \frac{2}{12}$
 $\frac{4}{12} - \frac{2}{12} = \frac{2}{12} = \frac{1}{6}$

j. $\frac{3}{4} = \frac{6}{8}$
 $\frac{2}{8} = \frac{2}{8}$
 $\frac{6}{8} - \frac{2}{8} = \frac{4}{8} = \frac{1}{2}$

k. $\frac{10}{14} = \frac{10}{14}$
 $\frac{2}{7} = \frac{4}{14}$
 $\frac{10}{14} - \frac{4}{14} = \frac{6}{14} = \frac{3}{7}$

l. $\frac{5}{6} = \frac{10}{12}$
 $\frac{2}{12} = \frac{2}{12}$
 $\frac{10}{12} - \frac{2}{12} = \frac{8}{12} = \frac{2}{3}$

m. $\frac{11}{12} = \frac{11}{12}$
 $\frac{1}{6} = \frac{2}{12}$
 $\frac{11}{12} - \frac{2}{12} = \frac{9}{12} = \frac{3}{4}$

n. $\frac{9}{10} = \frac{9}{10}$
 $\frac{2}{5} = \frac{4}{10}$
 $\frac{9}{10} - \frac{4}{10} = \frac{5}{10} = \frac{1}{2}$

o. $\frac{2}{3} = \frac{6}{9}$
 $\frac{3}{9} = \frac{3}{9}$
 $\frac{6}{9} - \frac{3}{9} = \frac{3}{9} = \frac{1}{3}$

p. $\frac{5}{6} = \frac{5}{6}$
 $\frac{1}{2} = \frac{3}{6}$
 $\frac{5}{6} - \frac{3}{6} = \frac{2}{6} = \frac{1}{3}$