Name: _____

Add: Fractions With Unlike Denominators

Adding Fractions

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:

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

a. $\frac{1}{4} + \frac{1}{3}$

b. $\frac{1}{5} + \frac{1}{3}$

c. $\frac{1}{2} + \frac{1}{4}$

d. $\frac{4}{5} + \frac{8}{10}$

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

f. $\frac{2}{4} + \frac{5}{8}$

g. $\frac{3}{4} + \frac{1}{8}$

h. $\frac{3}{8} + \frac{1}{2}$

i. $\frac{2}{3} + \frac{3}{4}$

j. $\frac{4}{5} + \frac{1}{2}$

k. $\frac{1}{6} + \frac{1}{2}$

l. $\frac{3}{5} + \frac{1}{3}$

ANSWER KEY

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Adding Fractions

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

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example: $\frac{2}{3} = \frac{4}{6}$

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

$\frac{7}{6}$ or $1\frac{1}{6}$

a. $\frac{1}{4} + \frac{1}{3} = \frac{7}{12}$

b. $\frac{1}{5} + \frac{1}{3} = \frac{8}{15}$

c. $\frac{1}{2} + \frac{1}{4} = \frac{3}{4}$

d. $\frac{4}{5} + \frac{8}{10} = \frac{16}{10}$ or $1\frac{3}{5}$

e. $\frac{1}{2} + \frac{2}{10} = \frac{7}{10}$

f. $\frac{2}{4} + \frac{5}{8} = \frac{9}{8}$ or $1\frac{1}{8}$

g. $\frac{3}{4} + \frac{1}{8} = \frac{7}{8}$

h. $\frac{3}{8} + \frac{1}{2} = \frac{7}{8}$

i. $\frac{2}{3} + \frac{3}{4} = \frac{17}{12}$ or $1\frac{5}{12}$

j. $\frac{4}{5} + \frac{1}{2} = \frac{13}{10}$ or $1\frac{3}{10}$

k. $\frac{1}{6} + \frac{1}{2} = \frac{4}{6}$ or $\frac{2}{3}$

l. $\frac{3}{5} + \frac{1}{3} = \frac{14}{15}$