MathFLIX CHALLENGE
Adding and Subtracting Fractions

Complete the following addition and subtraction with fractions.

Here are 10 names (equivalents) for $\frac{1}{2}$: $\quad \frac{1}{2} \quad \frac{2}{4} \quad \frac{3}{6} \quad \frac{4}{8} \quad \frac{5}{10} \quad \frac{6}{12} \quad \frac{7}{14} \quad \frac{8}{16} \quad \frac{9}{18} \quad \frac{10}{20}$

Use the equivalents for $\frac{1}{2}$ that makes the following problems easy to solve.

$\frac{1}{2} \left(= \frac{2}{4}\right) \qquad \frac{1}{2} \left(= \frac{4}{8}\right) \qquad \frac{1}{2} \qquad\qquad \frac{1}{2} \qquad\qquad \frac{3}{16} \qquad\qquad \frac{5}{18} \qquad\qquad \frac{14}{20}$

$+ \frac{1}{4} \qquad\quad + \frac{1}{8} \qquad\quad + \frac{3}{10} \qquad\quad + \frac{4}{12} \qquad\quad + \frac{1}{2} \qquad\quad + \frac{1}{2} \qquad\quad + \frac{1}{2}$

$\frac{3}{4}$

Here are 10 names (equivalents) for $\frac{1}{3}$: $\quad \frac{2}{6} \quad \frac{3}{9} \quad \frac{4}{12} \quad \frac{5}{15} \quad \frac{6}{18} \quad \frac{7}{21} \quad \frac{8}{24} \quad \frac{9}{27} \quad \frac{10}{30} \quad \frac{11}{33}$

Write 10 equivalents for $\frac{1}{3}$. Use the equivalents for $\frac{1}{3}$ that make the following problems easy to solve.

$\frac{1}{3} \qquad\qquad \frac{2}{9} \qquad\qquad \frac{5}{12} \qquad\qquad \frac{1}{3} \qquad\qquad 1\frac{1}{3} \qquad\qquad 1\frac{1}{3} \qquad\qquad 5\frac{7}{24}$

$+ \frac{1}{6} \qquad\quad + \frac{1}{3} \qquad\quad + \frac{1}{3} \qquad\quad + \frac{1}{15} \qquad\quad + 1\frac{1}{18} \qquad\quad + 1\frac{1}{21} \qquad\quad + 3\frac{1}{3}$

Here are 10 names (equivalents) for $\frac{2}{3}$: $\quad \frac{4}{6} \quad \frac{6}{9} \quad \frac{8}{12} \quad \frac{10}{15} \quad \frac{12}{18} \quad \frac{14}{21} \quad \frac{16}{24} \quad \frac{18}{27} \quad \frac{20}{30} \quad \frac{22}{33}$

Write 10 equivalents for $\frac{2}{3}$. Use the equivalents for $\frac{2}{3}$ that make the following problems easy to solve.

$\frac{2}{3} \qquad\qquad \frac{2}{3} \qquad\qquad \frac{5}{12} \qquad\qquad \frac{19}{21} \qquad\qquad 1\frac{2}{3} \qquad\qquad 5\frac{2}{3} \qquad\qquad 4\frac{7}{16}$

$+ \frac{1}{15} \qquad\quad + \frac{1}{24} \qquad\quad + \frac{2}{3} \qquad\quad + \frac{2}{3} \qquad\quad + 2\frac{1}{6} \qquad\quad + 2\frac{2}{9} \qquad\quad + 3\frac{1}{5}$