+ & - Fractions Rules for Unlike Denominators

NEW BOTTOM NUMBER

1. Count by the bottom numbers.
2. Circle the match.

New Top Number

3. Count over to the match.
4. Multiply by old top number.
5. Add/Subtract
   - Play with the top, leave the bottom alone.
   - Remember to borrow if you need to.
6. Divide if top number is bigger.
7. Reduce if you need to.

$$\frac{1}{2} \overset{\times 3}{\rightarrow} \frac{3}{6}$$

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

$$\frac{4}{6} \overset{\div 2}{\rightarrow} \frac{2}{3}$$

ADD with Unlike Denominators Practice

$$\frac{1}{4}\ ^{\times 5} \quad 4\ 8\ 12\ 16\ (20) \qquad \frac{5}{20}$$

$$+\ \frac{1}{5}\ ^{\times 4} \quad 5\ 10\ 15\ (20) \qquad +\ \frac{4}{20}$$

$$\frac{9}{20}$$

ADD with Unlike Denominators Practice

$$\frac{1}{3}\ {}^{\times 5} \quad 3\ 6\ 9\ 12\ \textcircled{15}$$

$$+\ \frac{1}{5}\ {}^{\times 3} \quad 5\ 10\ \textcircled{15}$$

$$+\ \frac{5}{15}$$

$$+\ \frac{3}{15}$$

$$\frac{8}{15}$$

SUBTRACT with Unlike Denominators Practice

$$\frac{1}{4}\ ^{\times 5} \quad 4\ 8\ 12\ 16\ (20) \qquad \frac{5}{20}$$

$$-\ \frac{1}{5}\ ^{\times 4} \quad 5\ 10\ 15\ (20) \qquad -\ \frac{4}{20}$$

$$\frac{1}{20}$$

SUBTRACT with Unlike Denominators Practice

$$\frac{1}{3}^{\times 5} = \frac{5}{15}$$

$$3\ 6\ 9\ 12\ (15)$$

$$-\ \frac{1}{5}^{\times 3} = -\ \frac{3}{15}$$

$$5\ 10\ (15)$$

$$\frac{2}{15}$$