**Finding Common Denominators**

1. List multiples of both denominators
2. Circle the first multiple that they have in common (Least common denominator, LCD)

Example:

$\frac{2}{9}$ and $\frac{5}{6}$ 9: 9, 18, 27,36

 6: 6, 12, 18, 24

1. Make sure you change the numerator

$\frac{2 x 2}{9 x 2}$ = $\frac{4}{18}$ and $\frac{5 x 3}{6 x 3}$ = $\frac{15}{18}$

**Adding Fractions**

1. Write your problem:

$\frac{2}{4}$ + $\frac{1}{3}$

1. Find a common denominator:

4: 4, 8, 12, 16

3: 3, 6, 9, 12

1. Rename your fractions:

$\frac{2 x 3}{4 x 3}$ = $\frac{6}{12}$ and $\frac{1 x 4}{3 x 4}$ = $\frac{4}{12}$

1. Add the numerators:

$\frac{6}{12}$ + $\frac{4}{12}$ = $\frac{10}{12}$

1. Simplify your answer:

$\frac{10 ÷2}{12 ÷2}$ = $\frac{5}{6}$

**Subtracting Fractions**

1. Write your problem:

$\frac{3}{4}$ - $\frac{1}{3}$

1. Find a common denominator:

4: 4, 8, 12, 16

3: 3, 6, 9, 12, 15

1. Rename your fractions:

$\frac{3 x 3}{4 x 3}$ = $\frac{9}{12}$ and $\frac{1 x 4}{3 x 4}$ = $\frac{4}{12}$

1. Subtract the numerators:

$\frac{9}{12}$ - $\frac{4}{12}$ = $\frac{5}{12}$

1. Simplify your answer if you can