Complex Fractions

$$\frac{\frac{5x^2}{y}}{\frac{10x}{y^2}} =$$

$$\frac{\frac{1}{4x} - \frac{3}{2}}{3 - \frac{1}{2x}}$$

Method 1 for Simplifying Complex Fractions

1. Combine numerators & denominators separately

2. Divide resulting Fractions
   - KCF

$$\frac{4-\frac{6}{x}}{\frac{2}{x}-\frac{3}{x^2}}$$

$$\frac{y - \frac{1}{y}}{1 - \frac{1}{y^2}}$$

$$\frac{x^{-1} - x^{-2}}{1 + 2x^{-1} - 3x^{-2}}$$

$$\frac{\frac{1}{w+3} - \frac{1}{w-3}}{1 + \frac{9}{w^2-9}}$$

$$\frac{\frac{2}{x+h} - \frac{2}{x}}{h}$$