

Complex Fraction

a fraction with other fractions in the numerator and/or denominator

$$\frac{x + 4}{x^2}$$

Not a **complex fraction**

$$\frac{\frac{1}{x + 4}}{\frac{1}{x^2}}$$

Is a **complex fraction**

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

Is a **complex fraction**

Complex Fractions can be simplified to non-**Complex Fractions**.

Complex Fraction

to simplify a **complex fraction**, multiply the **complex fraction** by LCD of all **denominators**

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

Complex Fraction

to simplify a **complex fraction**, multiply the **complex fraction** by LCD of all **denominators**

$$\frac{\frac{1}{4y^3}}{\frac{2}{5y}}$$

Complex Fraction

to simplify a **complex fraction**, multiply the **complex fraction** by LCD of all **denominators**

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