

Complex Fraction
a fraction of fractions

$$\frac{\frac{4}{x}}{\frac{2x}{5}}$$

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

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

To simplify a complex fraction...

Method 1: Multiply numerator by
reciprocal of the denominator

Method 2: Multiply every term by
LCD to cancel fractions

Simplify the following complex fractions

Method 1: Multiply numerator
by reciprocal of the denominator

Method 2: Multiply every term by
LCD to cancel fractions

$$\frac{\frac{1}{x}}{\frac{2x}{5}}$$

$$\frac{\frac{1}{x}}{\frac{2x}{5}}$$

Simplify the following complex fractions

Method 1: Multiply numerator
by reciprocal of the denominator

$$\frac{\frac{a}{3}}{\frac{5}{2a}}$$

Method 2: Multiply every term by
LCD to cancel fractions

$$\frac{\frac{a}{3}}{\frac{5}{2a}}$$

Simplify the following complex fractions

Method 1: Multiply numerator
by reciprocal of the denominator

$$\frac{\frac{2x-5}{x^2-9}}{\frac{3x-1}{x-3}}$$

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$$\frac{\frac{3}{x} + 2}{\frac{5}{x+1}}$$

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$$\frac{x + 5 - \frac{12}{x+1}}{\frac{x+9}{x+1} - \frac{5}{x}}$$

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