

Algebra / Complex fraction involving univariate monomials

$$\frac{\frac{21x^3}{x+4}}{\frac{3x^5}{x+4}} \quad \text{Divide}$$

$$\frac{21x^3}{x+4} \div \frac{3x^5}{x+4}$$

Keep change flip

$$\frac{21x^3}{(x+4)} \cdot \frac{(x+4)}{1 \cdot 3x^5} = \frac{7}{x^2}$$

$$\frac{21x^3}{3x^5} \cdot \frac{x+4}{x+4} = \frac{7}{x^2}$$

$$\frac{\frac{x+4}{x+7}}{\frac{x}{x+7}} \quad \text{Keep change flip}$$

$$\frac{x+4}{(x+7)} \cdot \frac{(x+7)}{x} = \frac{x+4}{x}$$

$$\frac{\frac{x+4}{5x}}{\frac{x+4}{x-5}} \quad \text{Keep change flip}$$

$$\frac{(x+4)(x-5)}{5x(x+4)} = \frac{x-5}{5x}$$

OR

$$\frac{x+4}{5x} \div \frac{x+4}{x-5}$$

Keep change flip

$$\frac{x+4}{5x} \cdot \frac{x-5}{x+4} = \frac{x-5}{5x}$$

#RationalExpressions

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