

Proportion problems.

A proportion is an equation of two ratios.

$$\frac{x}{6} = \frac{2}{3}$$

We can cross-multiply to solve this proportion problem.

This is not a proportion problem.

$$\frac{x}{6} = \frac{2}{3} + \frac{3}{4}$$

We previously solved this type of problem by multiplying both sides of the equation with the LCD.

$$\left(\frac{x}{6}\right) = \left(\frac{2}{3}\right) + \left(\frac{3}{4}\right)$$

$$= \quad +$$

$$x =$$

$$\frac{x}{6} = \frac{2}{3}$$

$$\underline{3x = 12}$$

$$\frac{x}{6} = \frac{2}{3} \quad \text{LCD} =$$

$$\left(\frac{x}{6}\right) = \left(\frac{2}{3}\right)$$

$$\frac{x}{4} = \frac{5}{6}$$

$$6x = 20$$

$$x =$$

$$x =$$

$$\frac{x}{6} = \frac{2}{\frac{3}{4}}$$

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

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

$$\frac{2x}{5} = \frac{0.3}{4}$$

$$\frac{2x}{5} = \frac{(0.3)}{(4)}$$

$$\frac{2x}{5} = \frac{3}{40}$$

=

$$\frac{1.2x}{0.7} = \frac{0.04}{0.3}$$

$$\frac{(1.2x)}{(0.7)} = \frac{(0.04)}{(0.3)}$$

$$\frac{12x}{7} = \frac{4}{30}$$

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