

Operations and Real Numbers

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Pre-Calculus Mathematics for Business and
Economics

Sub-Topics

1. Double-sided equations
2. Lowest Common Denominator
3. Fractions
4. Exponents
5. Can we divide by zero?

Double-sided equations: Solve for v (the unknown variable):

$$\frac{8}{5} = \frac{12}{v}$$

Lowest Common Denominator: solve:

$$\left(\frac{9}{-5}\right) - \left(\frac{9}{2}\right)$$

Fraction Division: solve:

$$\left(\frac{5}{14}\right) \div \left(\frac{7}{8}\right)$$

Exponents: write your answers as fractions (with no exponent)

$$\left(\frac{4^2}{-3}\right) =$$

$$-\left(\frac{5}{4}\right)^3 =$$

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- C) the answer is always infinity (∞).
- D) the answer is unknown.