

To solve equations involving rational expressions, multiply both sides of the equation by the LCD (Least Common Denominator) of the rational expressions.

Remember to reject **Extraneous Roots** – roots that cause zero to appear in a denominator.

An equation that expresses the equality of two rational expressions is called a **Proportion**:

$$\frac{a}{b} = \frac{c}{d}$$

a and d are the **Extremes**, and b and c are the **Means**.

Extremes–Means Property

$$\frac{a}{b} = \frac{c}{d} \Rightarrow ad = bc$$