















Dividing Rational Numbers

$$\frac{2}{3} \div \frac{4}{3} = \frac{2}{3} \div \frac{4}{4} = \frac{2}{4} = \frac{1}{2}$$

 $-\frac{4}{5} \div \frac{5}{2} = -\frac{4}{5} \div \frac{2}{5} = -\frac{9}{25}$
 $\frac{3}{7} \div \frac{3}{2} = -\frac{1}{2} \div \frac{1}{3} = -\frac{1}{2}$

Dividing Rational Expressions

$$\frac{1}{x} \div \frac{x}{4v} = \frac{1}{x} \div \frac{4}{x} = \frac{4}{x^2}$$

$$\frac{x^2}{2} \div \frac{x}{3} = \frac{x}{2} \div \frac{3}{x} = \frac{3x}{2}$$

$$\frac{(x+1)}{3} \div \frac{(x+1)}{4} = \frac{(x+1)}{3} \div \frac{4}{3} \div \frac{4}{3} \div \frac{4}{3}$$











