

Dividing Rational Algebraic Expressions

How to Divide Rational Algebraic Expressions:

1. Copy the dividend.
2. Change the operation to multiplication.
3. Find the reciprocal of the divisor.
4. Proceed to multiplication.

In symbols,

$$\frac{a}{b} \div \frac{c}{d} = \frac{a}{b} \cdot \frac{d}{c} = \frac{ad}{bc}, \quad b, c, d \neq 0$$