

Aritmética

Propiedades de operaciones aritméticas

$$ab + ac = a(b + c)$$

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

$$a\left(\frac{b}{c}\right) = \frac{ab}{c}$$

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

$$\frac{\left(\frac{a}{b}\right)}{c} = \frac{a}{bc}$$

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

$$\frac{\frac{a}{\left(\frac{b}{c}\right)}}{b} = \frac{ac}{b}$$

$$\frac{ab + ac}{a} = b + c, a \neq 0$$

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

$$\frac{\left(\frac{a}{b}\right)}{\left(\frac{c}{d}\right)} = \frac{ad}{bc}$$

Asociativa

$$a(bc) = (ab)c$$

Distributiva

$$a(b + c) = ab + ac$$

Conmutativa

$$a + b = b + a \therefore ab = ba$$