

Breuken

Rekenregel	Voorbeeld
$\frac{ca}{cb} = \frac{a}{b}$	$\frac{2\cdot3}{2\cdot4} = \frac{3}{4}$
$\frac{a/c}{b/c} = \frac{a}{b}$	$\frac{3/2}{4/2} = \frac{3}{4}$
$\frac{a}{b} \cdot \frac{c}{d} = \frac{ac}{bd}$	$\frac{1}{2} \cdot \frac{3}{4} = \frac{1\cdot3}{2\cdot4} = \frac{3}{8}$
$a \div \frac{b}{c} = a \cdot \frac{c}{b} = \frac{ac}{b}$	$2 \div \frac{3}{4} = 2 \cdot \frac{4}{3} = \frac{2\cdot4}{3} = \frac{8}{3}$
$\frac{a}{b} \div \frac{c}{d} = \frac{a}{b} \cdot \frac{d}{c}$	$\frac{1}{2} \div \frac{3}{4} = \frac{1}{2} \cdot \frac{4}{3} = \frac{4}{6}$
$\frac{a}{b} + \frac{c}{b} = \frac{a+c}{b}$	$\frac{1}{4} + \frac{2}{4} = \frac{3}{4}$
$\frac{a}{b} + \frac{c}{d} = \frac{ad}{bd} + \frac{bc}{bd} = \frac{ad+bc}{bd}$	$\frac{1}{2} + \frac{3}{4} = \frac{1\cdot4}{2\cdot4} + \frac{2\cdot3}{2\cdot4} = \frac{4+6}{8} = \frac{12}{8}$

Exponenten en logaritmen

