

# Selbsttest Doppelbrüche II a

## Aufgaben

$$\left(-\frac{-1}{-6} - \frac{-5}{-4} - \frac{1}{-6}\right) \cdot \left(-\frac{-5}{3} + \frac{4}{5} - \frac{1}{-5}\right)$$

$$\left(-\frac{5}{3} + \frac{4}{-5} + \frac{-4}{5}\right) \cdot \left(\frac{-1}{-6} + \frac{1}{-6} - \frac{1}{-6}\right)$$

$$\left(\frac{-5}{-6} + \frac{-6}{-5} - \frac{2}{3}\right) \cdot \left(\frac{5}{-4} - \frac{3}{-4} - \frac{1}{6}\right)$$

$$\left(-\frac{2}{-5} - \frac{-3}{5} - \frac{-5}{-4}\right) \cdot \left(\frac{4}{5} - \frac{4}{-5} + \frac{-5}{4}\right)$$

$$\left(\frac{-4}{5} + \frac{-4}{-5} - \frac{2}{-3}\right) \cdot \left(\frac{5}{-6} + \frac{-1}{6} + \frac{2}{-3}\right)$$

$$\left(\frac{1}{2} + \frac{-5}{-3} - \frac{3}{4}\right) \cdot \left(\frac{4}{3} + \frac{5}{3} + \frac{4}{5}\right)$$

$$\left(-\frac{-5}{3} - \frac{-1}{6} - \frac{5}{-4}\right) \cdot \left(\frac{5}{-4} + \frac{-3}{2} + \frac{-1}{-4}\right)$$

$$\left(-\frac{-4}{-5} - \frac{2}{-5} + \frac{1}{-2}\right) \cdot \left(-\frac{-3}{-2} - \frac{5}{-6} + \frac{-1}{5}\right)$$

$$\left(\frac{-2}{3} - \frac{1}{-6} - \frac{5}{4}\right) \cdot \left(-\frac{6}{-5} + \frac{-3}{4} + \frac{3}{-4}\right)$$

$$\left(\frac{5}{4} + \frac{-5}{-6} + \frac{-5}{-6}\right) \cdot \left(\frac{-4}{5} - \frac{-5}{-6} - \frac{1}{6}\right)$$

$$\left(\frac{-3}{-2} + \frac{3}{2} - \frac{3}{2}\right) \cdot \left(\frac{-2}{3} - \frac{5}{-6} + \frac{-5}{2}\right)$$

$$\left(\frac{5}{4} + \frac{-3}{-2} + \frac{1}{4}\right) \cdot \left(-\frac{-1}{6} + \frac{5}{-3} + \frac{3}{-2}\right)$$

$$\left(-\frac{-1}{6} - \frac{-5}{6} - \frac{-1}{4}\right) \cdot \left(-\frac{3}{-4} + \frac{-3}{-4} - \frac{-3}{2}\right)$$

$$\left(-\frac{3}{5} - \frac{1}{2} + \frac{5}{6}\right) \cdot \left(\frac{6}{-5} - \frac{2}{3} + \frac{2}{3}\right)$$

$$\left(-\frac{5}{-2} - \frac{5}{-6} + \frac{2}{3}\right) \cdot \left(\frac{1}{-2} - \frac{-4}{-5} - \frac{3}{-4}\right)$$

$$\left(-\frac{2}{5} - \frac{5}{4} + \frac{-1}{-6}\right) \cdot \left(-\frac{6}{5} - \frac{-4}{-5} - \frac{-5}{-6}\right)$$

$$\left(\frac{-1}{4} + \frac{1}{6} - \frac{3}{-2}\right) \cdot \left(-\frac{5}{-4} - \frac{-5}{-3} + \frac{-3}{-5}\right)$$

$$\left(-\frac{-1}{6} + \frac{-2}{-3} - \frac{-3}{-4}\right) \cdot \left(-\frac{3}{2} - \frac{-5}{3} - \frac{1}{-2}\right)$$

$$\left(-\frac{1}{-3} - \frac{-1}{-2} - \frac{1}{4}\right) \cdot \left(-\frac{1}{-2} - \frac{-1}{4} + \frac{1}{2}\right)$$

$$\left(-\frac{-3}{2} - \frac{5}{-6} - \frac{-2}{-3}\right) \cdot \left(-\frac{1}{-5} - \frac{-1}{-6} + \frac{-1}{2}\right)$$

Aufgaben	Lösungen
$\frac{\left(-\frac{1}{-6} - \frac{-5}{-4} - \frac{1}{-6}\right) \cdot \left(-\frac{-5}{3} + \frac{4}{5} - \frac{1}{-5}\right)}{\left(-\frac{5}{3} + \frac{4}{-5} + \frac{-4}{5}\right) \cdot \left(-\frac{1}{-6} + \frac{1}{-6} - \frac{1}{-6}\right)}$	$\frac{300}{49}$
$\frac{\left(\frac{-5}{-6} + \frac{-6}{-5} - \frac{2}{3}\right) \cdot \left(\frac{5}{-4} - \frac{3}{-4} - \frac{1}{6}\right)}{\left(-\frac{2}{-5} - \frac{-3}{5} - \frac{-5}{-4}\right) \cdot \left(\frac{4}{5} - \frac{4}{-5} + \frac{-5}{4}\right)}$	$\frac{656}{63}$
$\frac{\left(\frac{-4}{5} + \frac{-4}{-5} - \frac{2}{-3}\right) \cdot \left(\frac{5}{-6} + \frac{-1}{6} + \frac{2}{-3}\right)}{\left(\frac{1}{2} + \frac{-5}{-3} - \frac{3}{4}\right) \cdot \left(\frac{4}{3} + \frac{5}{3} + \frac{4}{5}\right)}$	$-\frac{200}{969}$
$\frac{\left(-\frac{-5}{3} - \frac{-1}{6} - \frac{5}{-4}\right) \cdot \left(\frac{5}{-4} + \frac{-3}{2} + \frac{-1}{-4}\right)}{\left(-\frac{-4}{-5} - \frac{2}{-5} + \frac{1}{-2}\right) \cdot \left(-\frac{-3}{-2} - \frac{5}{-6} + \frac{-1}{5}\right)}$	$-\frac{4625}{468}$
$\frac{\left(\frac{-2}{3} - \frac{1}{-6} - \frac{5}{4}\right) \cdot \left(-\frac{6}{-5} + \frac{-3}{4} + \frac{3}{-4}\right)}{\left(\frac{5}{4} + \frac{-5}{-6} + \frac{-5}{-6}\right) \cdot \left(\frac{-4}{5} - \frac{-5}{-6} - \frac{1}{6}\right)}$	$-\frac{1}{10}$
$\frac{\left(\frac{-3}{-2} + \frac{3}{2} - \frac{3}{2}\right) \cdot \left(\frac{-2}{3} - \frac{5}{-6} + \frac{-5}{2}\right)}{\left(\frac{5}{4} + \frac{-3}{-2} + \frac{1}{4}\right) \cdot \left(-\frac{-1}{6} + \frac{5}{-3} + \frac{3}{-2}\right)}$	$\frac{7}{18}$
$\frac{\left(-\frac{-1}{6} - \frac{-5}{6} - \frac{-1}{4}\right) \cdot \left(-\frac{3}{-4} + \frac{-3}{-4} - \frac{-3}{2}\right)}{\left(-\frac{3}{5} - \frac{1}{2} + \frac{5}{6}\right) \cdot \left(\frac{6}{-5} - \frac{2}{3} + \frac{2}{3}\right)}$	$\frac{375}{32}$
$\frac{\left(-\frac{5}{-2} - \frac{5}{-6} + \frac{2}{3}\right) \cdot \left(\frac{1}{-2} - \frac{-4}{-5} - \frac{3}{-4}\right)}{\left(-\frac{2}{5} - \frac{5}{4} + \frac{-1}{-6}\right) \cdot \left(-\frac{6}{5} - \frac{-4}{-5} - \frac{-5}{-6}\right)}$	$-\frac{792}{1513}$
$\frac{\left(\frac{-1}{4} + \frac{1}{6} - \frac{3}{-2}\right) \cdot \left(-\frac{5}{-4} - \frac{-5}{-3} + \frac{-3}{-5}\right)}{\left(-\frac{-1}{6} + \frac{-2}{-3} - \frac{-3}{-4}\right) \cdot \left(-\frac{3}{2} - \frac{-5}{3} - \frac{1}{-2}\right)}$	$\frac{187}{40}$
$\frac{\left(-\frac{1}{-3} - \frac{-1}{-2} - \frac{1}{4}\right) \cdot \left(-\frac{1}{-2} - \frac{-1}{4} + \frac{1}{2}\right)}{\left(-\frac{-3}{2} - \frac{5}{-6} - \frac{-2}{-3}\right) \cdot \left(-\frac{1}{-5} - \frac{-1}{-6} + \frac{-1}{2}\right)}$	$\frac{75}{112}$