

Brüche 8

(Lösung)

Multiplizieren und Dividieren

1. Multipliziere

$$\frac{2}{6} \cdot \frac{2}{7} = \frac{4}{42} = \frac{2}{21}$$

$$\frac{4}{6} \cdot \frac{6}{8} = \frac{24}{48} = \frac{1}{2}$$

$$\frac{2}{8} \cdot \frac{4}{9} = \frac{8}{72} = \frac{1}{9}$$

$$\frac{5}{8} \cdot \frac{3}{4} = \frac{15}{32} = \frac{15}{32}$$

$$\frac{2}{8} \cdot \frac{4}{3} = \frac{8}{24} = \frac{1}{3}$$

$$\frac{4}{10} \cdot \frac{3}{7} = \frac{12}{70} = \frac{6}{35}$$

$$\frac{2}{5} \cdot \frac{6}{7} = \frac{12}{35} = \frac{12}{35}$$

$$\frac{3}{5} \cdot \frac{2}{9} = \frac{6}{45} = \frac{2}{15}$$

2. Dividieren

$$\frac{2}{4} : \frac{3}{6} = \frac{2}{4} \cdot \frac{6}{3} = \frac{1}{2} \cdot \frac{2}{1} = \frac{1}{1}$$

$$\frac{4}{6} : \frac{3}{4} = \frac{4}{6} \cdot \frac{4}{3} = \frac{2}{3} \cdot \frac{4}{3} = \frac{8}{9}$$

$$\frac{2}{9} : \frac{4}{7} = \frac{2}{9} \cdot \frac{7}{4} = \frac{1}{9} \cdot \frac{7}{2} = \frac{7}{18}$$

$$\frac{2}{5} : \frac{7}{10} = \frac{2}{5} \cdot \frac{10}{7} = \frac{2}{1} \cdot \frac{2}{7} = \frac{4}{7}$$