

Brüche 9

(Lösung)

Multiplizieren und Dividieren

1. Multipliziere

$$\frac{2}{3} \cdot \frac{4}{5} = \frac{8}{15} = \frac{8}{15}$$

$$\frac{3}{7} \cdot \frac{4}{7} = \frac{12}{49} = \frac{12}{49}$$

$$\frac{5}{6} \cdot \frac{3}{7} = \frac{5}{2} \cdot \frac{1}{7} = \frac{5}{14}$$

$$\frac{2}{6} \cdot \frac{5}{9} = \frac{10}{54} = \frac{5}{27}$$

$$\frac{1}{4} \cdot \frac{7}{8} = \frac{7}{32} = \frac{7}{32}$$

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

$$\frac{2}{5} \cdot \frac{7}{9} = \frac{14}{45} = \frac{14}{45}$$

$$\frac{5}{7} \cdot \frac{1}{6} = \frac{5}{42} = \frac{5}{42}$$

2. Dividieren

$$\frac{4}{5} : \frac{6}{7} = \frac{4}{5} \cdot \frac{7}{6} = \frac{2}{5} \cdot \frac{7}{3} = \frac{14}{15}$$

$$\frac{6}{9} : \frac{5}{7} = \frac{6}{9} \cdot \frac{7}{5} = \frac{2}{3} \cdot \frac{7}{5} = \frac{14}{15}$$

$$\frac{4}{8} : \frac{5}{8} = \frac{4}{8} \cdot \frac{8}{5} = \frac{4}{1} \cdot \frac{1}{5} = \frac{4}{5}$$

$$\frac{8}{17} : \frac{16}{17} = \frac{8}{17} \cdot \frac{17}{16} = \frac{1}{1} \cdot \frac{1}{2} = \frac{1}{2}$$