

# Bruchrechnen: Multiplizieren und Dividieren

① Multipliziere die Brüche und kürze soweit es geht.

a)  $\frac{6}{9} \cdot \frac{5}{11} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

e)  $\frac{1}{4} \cdot \frac{7}{11} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

b)  $\frac{9}{2} \cdot \frac{2}{8} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

f)  $\frac{6}{5} \cdot \frac{6}{9} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

c)  $\frac{5}{3} \cdot \frac{4}{11} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

g)  $\frac{8}{5} \cdot \frac{8}{6} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

d)  $\frac{3}{9} \cdot \frac{9}{4} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

h)  $\frac{7}{11} \cdot \frac{5}{4} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

② Dividiere die Brüche und kürze soweit wie möglich.

a)  $\frac{8}{2} : \frac{4}{11} = \frac{8}{2} \cdot \frac{\quad}{\quad} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

b)  $\frac{1}{2} : \frac{5}{6} = \frac{1}{2} \cdot \frac{\quad}{\quad} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

c)  $\frac{3}{5} : \frac{5}{9} = \frac{3}{5} \cdot \frac{\quad}{\quad} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

d)  $\frac{8}{7} : \frac{2}{8} = \frac{8}{7} \cdot \frac{\quad}{\quad} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

e)  $\frac{3}{2} : \frac{7}{3} = \frac{3}{2} \cdot \frac{\quad}{\quad} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

f)  $\frac{4}{10} : \frac{4}{9} = \frac{4}{10} \cdot \frac{\quad}{\quad} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

g)  $\frac{5}{6} : \frac{7}{6} = \frac{5}{6} \cdot \frac{\quad}{\quad} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

h)  $\frac{5}{4} : \frac{5}{2} = \frac{5}{4} \cdot \frac{\quad}{\quad} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

