

**Aufgabe 5**

a)

$$\frac{1}{3} \cdot \frac{2}{5} = \frac{1 \cdot 2}{3 \cdot 5} = \frac{2}{15}$$

b)

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

c)

$$\frac{3}{10} \cdot \frac{7}{8} = \frac{3 \cdot 7}{10 \cdot 8} = \frac{21}{80}$$

d)

$$\frac{2}{9} \cdot \frac{2}{5} = \frac{2 \cdot 2}{9 \cdot 5} = \frac{4}{45}$$

e)

$$\frac{2}{3} \cdot \frac{5}{6} = \frac{2 \cdot 5}{3 \cdot 6} = \frac{10}{18} = \frac{5}{9}$$

f)

$$\frac{6}{7} \cdot \frac{6}{7} = \frac{6 \cdot 6}{7 \cdot 7} = \frac{36}{49}$$

g)

$$\frac{8}{9} \cdot \frac{3}{4} = \frac{8 \cdot 3}{9 \cdot 4} = \frac{24}{36} = \frac{2}{3}$$

h)

$$\frac{3}{5} \cdot \frac{7}{10} = \frac{3 \cdot 7}{5 \cdot 10} = \frac{21}{50}$$

i)

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

j)

$$\frac{13}{4} \cdot \frac{2}{52} = \frac{13 \cdot 2}{4 \cdot 52} = \frac{26}{208} = \frac{1}{8}$$

k)

$$\frac{7}{35} \cdot \frac{7}{36} = \frac{7 \cdot 7}{35 \cdot 36} = \frac{49}{1260} = \frac{7}{180}$$

l)

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