

Aufgabe 10

a)

$$\frac{3}{4} \cdot 5 = \frac{3}{4} \cdot \frac{5}{1} = \frac{3 \cdot 5}{4 \cdot 1} = \frac{15}{4} = 3\frac{3}{4}$$

b)

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

c)

$$3 \cdot \frac{1}{4} = \frac{3}{1} \cdot \frac{1}{4} = \frac{3 \cdot 1}{1 \cdot 4} = \frac{3}{4}$$

d)

$$9 \cdot \frac{3}{5} = \frac{9}{1} \cdot \frac{3}{5} = \frac{9 \cdot 3}{1 \cdot 5} = \frac{27}{5} = 5\frac{2}{5}$$

e)

$$\frac{3}{7} \cdot 28 = \frac{3}{7} \cdot \frac{28}{1} = \frac{3}{1} \cdot \frac{4}{1} = \frac{3 \cdot 4}{1 \cdot 1} = \frac{12}{1} = 12$$

f)

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