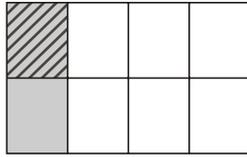
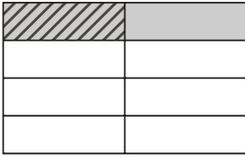


# $\frac{1}{3}$ von $\frac{1}{4}$

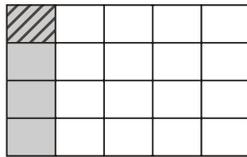
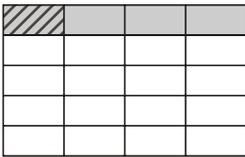
## Aufgabe 2

Es ist zu beachten, dass beim Flächenmodell jeweils zwei Sichtweisen möglich sind.

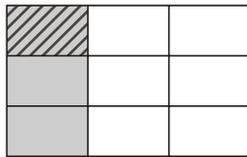
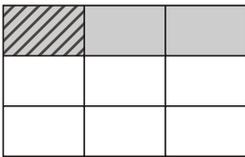
A  $\frac{1}{2}$  von  $\frac{1}{4} = \frac{1}{8}$



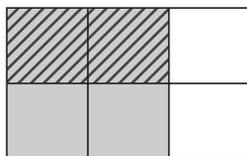
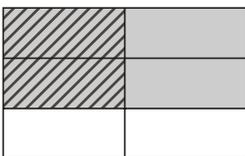
$\frac{1}{4}$  von  $\frac{1}{5} = \frac{1}{20}$



$\frac{1}{3}$  von  $\frac{1}{3} = \frac{1}{9}$



$\frac{1}{2}$  von  $\frac{2}{3} = \frac{2}{6} = \frac{1}{3}$

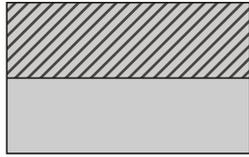
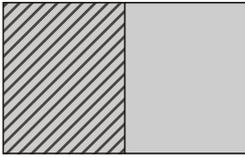


# $\frac{1}{3}$ von $\frac{1}{4}$

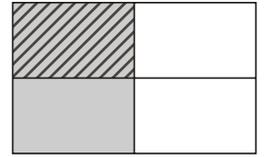
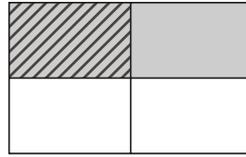
## Aufgabe 3

Es ist zu beachten, dass beim Flächenmodell jeweils zwei Sichtweisen möglich sind.

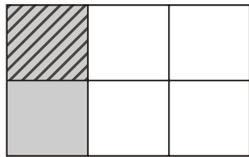
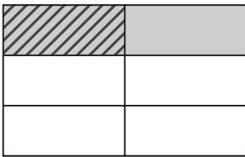
A  $\frac{1}{2}$  von  $1 = \frac{1}{2}$



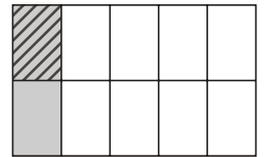
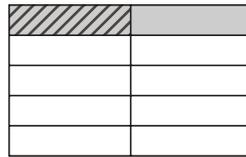
$\frac{1}{2}$  von  $\frac{1}{2} = \frac{1}{4}$



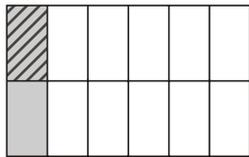
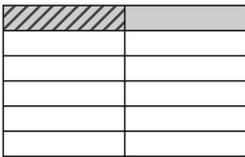
$\frac{1}{2}$  von  $\frac{1}{3} = \frac{1}{6}$



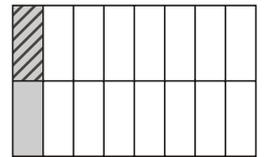
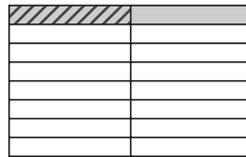
$\frac{1}{2}$  von  $\frac{1}{5} = \frac{1}{10}$



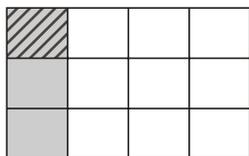
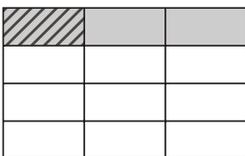
$\frac{1}{2}$  von  $\frac{1}{6} = \frac{1}{12}$



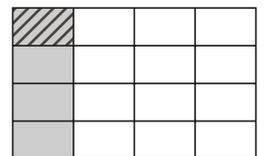
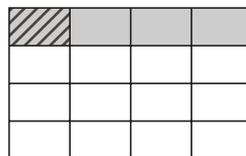
$\frac{1}{2}$  von  $\frac{1}{8} = \frac{1}{16}$



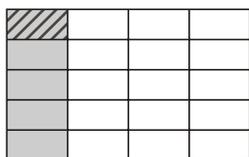
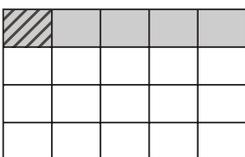
B  $\frac{1}{3}$  von  $\frac{1}{4} = \frac{1}{12}$



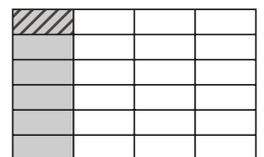
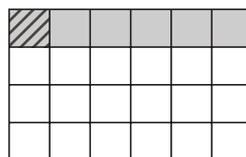
$\frac{1}{4}$  von  $\frac{1}{4} = \frac{1}{16}$



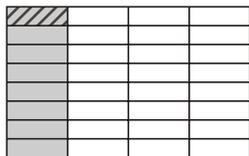
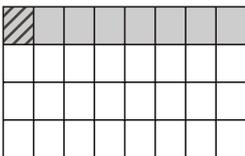
$\frac{1}{5}$  von  $\frac{1}{4} = \frac{1}{20}$



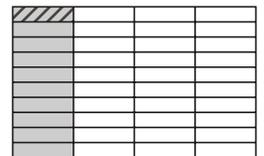
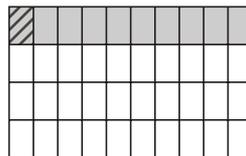
$\frac{1}{6}$  von  $\frac{1}{4} = \frac{1}{24}$



$\frac{1}{8}$  von  $\frac{1}{4} = \frac{1}{32}$



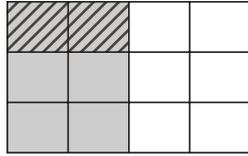
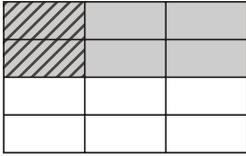
$\frac{1}{10}$  von  $\frac{1}{4} = \frac{1}{40}$



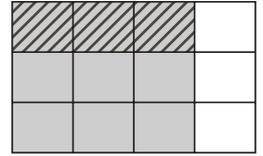
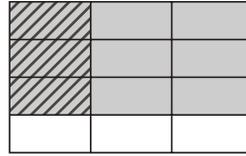
# $\frac{1}{3}$ von $\frac{1}{4}$

## Aufgabe 3 (Fortsetzung)

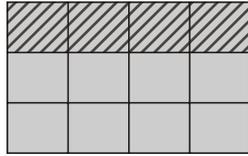
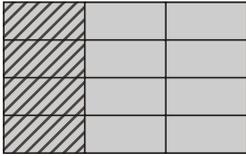
C  $\frac{1}{3}$  von  $\frac{2}{4} = \frac{2}{12} = \frac{1}{6}$



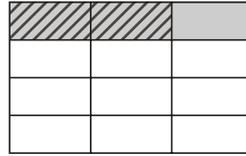
$\frac{1}{3}$  von  $\frac{3}{4} = \frac{3}{12} = \frac{1}{4}$



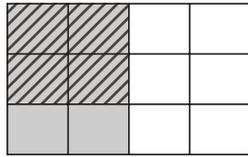
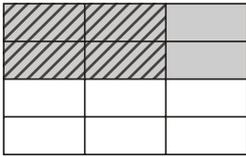
$\frac{1}{3}$  von  $\frac{4}{4} = \frac{4}{12} = \frac{1}{3}$



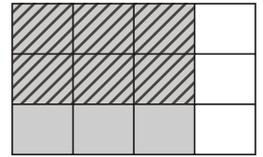
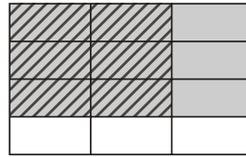
$\frac{2}{3}$  von  $\frac{1}{4} = \frac{2}{12} = \frac{1}{6}$



$\frac{2}{3}$  von  $\frac{2}{4} = \frac{4}{12} = \frac{1}{3}$



$\frac{2}{3}$  von  $\frac{3}{4} = \frac{6}{12} = \frac{1}{2}$



## Aufgabe 4

A  $\frac{1}{2}$  von  $\frac{1}{5} = \frac{1}{10}$

B  $\frac{1}{4}$  von  $\frac{1}{5} = \frac{1}{20}$

C  $\frac{1}{3}$  von  $\frac{2}{3} = \frac{2}{9}$

D  $\frac{2}{3}$  von  $\frac{2}{3} = \frac{4}{9}$

## Aufgabe 5

A  $\frac{1}{2}$  von  $\frac{1}{6} = \frac{1}{12}$

B  $\frac{1}{4}$  von  $\frac{1}{3} = \frac{1}{12}$

C  $\frac{1}{2}$  von  $\frac{1}{4} = \frac{1}{8}$

D  $\frac{2}{4}$  von  $\frac{1}{4} = \frac{2}{16} = \frac{1}{8}$

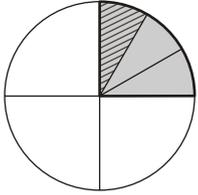
E  $\frac{2}{4}$  von  $\frac{2}{8} = \frac{2}{16} = \frac{1}{8}$

# $\frac{1}{3}$ von $\frac{1}{4}$

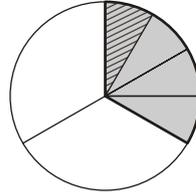
## Aufgabe 7

Sowohl Felix als auch Nicole haben recht.

Nach dem Kreismodell

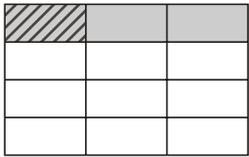


$\frac{1}{3}$  von  $\frac{1}{4}$

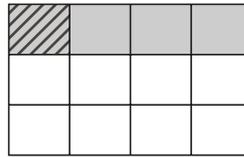


$\frac{1}{4}$  von  $\frac{1}{3}$

Nach dem Rechteckmodell



$\frac{1}{3}$  von  $\frac{1}{4}$



$\frac{1}{4}$  von  $\frac{1}{3}$

Nach dem Streckenmodell



$\frac{1}{3}$  von  $\frac{1}{4}$



$\frac{1}{4}$  von  $\frac{1}{3}$

Nach dem Grössenmodell

$$\frac{1}{3} \text{ von } \frac{1}{4}$$

$$\frac{1}{4} d = 6 h$$

$$\frac{1}{3} \text{ von } \frac{1}{4} d = \frac{1}{3} \text{ von } 6 h = 2 h = \frac{1}{12} d \quad \frac{1}{3} \text{ von } \frac{1}{4} = \frac{1}{12}$$

$$\frac{1}{4} \text{ von } \frac{1}{3}$$

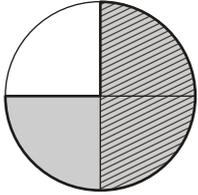
$$\frac{1}{3} d = 8 h$$

$$\frac{1}{4} \text{ von } \frac{1}{3} d = \frac{1}{4} \text{ von } 8 h = 2 h = \frac{1}{12} d \quad \frac{1}{4} \text{ von } \frac{1}{3} = \frac{1}{12}$$

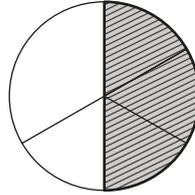
# $\frac{1}{3}$ von $\frac{1}{4}$

## Aufgabe 7 (Fortsetzung)

Nach dem Kreismodell

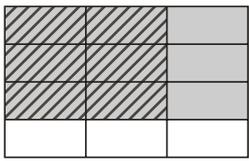


$$\frac{2}{3} \text{ von } \frac{3}{4}$$

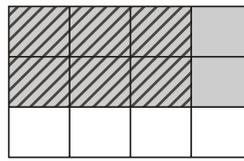


$$\frac{3}{4} \text{ von } \frac{2}{3}$$

Nach dem Rechteckmodell



$$\frac{2}{3} \text{ von } \frac{3}{4}$$



$$\frac{3}{4} \text{ von } \frac{2}{3}$$

Nach dem Streckenmodell



$$\frac{2}{3} \text{ von } \frac{3}{4}$$



$$\frac{3}{4} \text{ von } \frac{2}{3}$$

Nach dem Grössenmodell

$$\frac{2}{3} \text{ von } \frac{3}{4}$$

$$\frac{1}{4} d = 6 h \quad \frac{3}{4} d = 18 h$$

$$\frac{2}{3} \text{ von } \frac{3}{4} d = \frac{2}{3} \text{ von } 18 h = 12 h = \frac{1}{2} d \quad \frac{2}{3} \text{ von } \frac{3}{4} = \frac{1}{2}$$

$$\frac{3}{4} \text{ von } \frac{2}{3}$$

$$\frac{1}{3} d = 8 h \quad \frac{2}{3} d = 16 h$$

$$\frac{3}{4} \text{ von } \frac{2}{3} d = \frac{3}{4} \text{ von } 16 h = 12 h = \frac{1}{2} d \quad \frac{3}{4} \text{ von } \frac{2}{3} = \frac{1}{2}$$