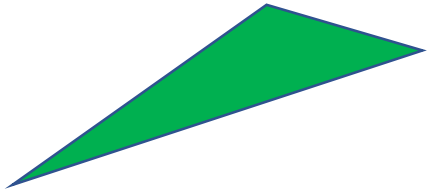
Haus der Vielecke

# Flächeninhalte und Umfänge

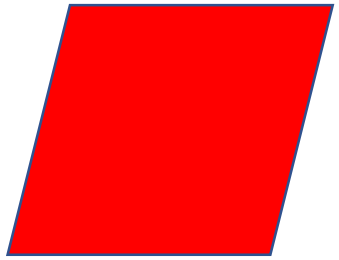
Quadrat

Parallelogramm

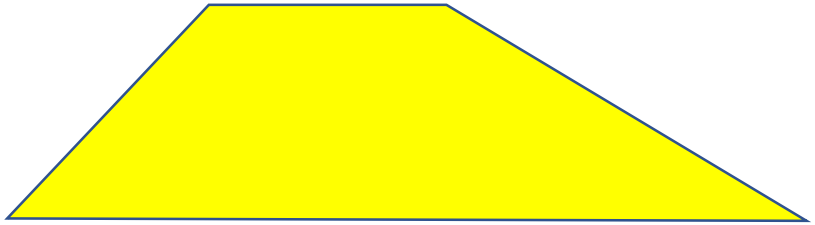


Dreieck

Rechteck

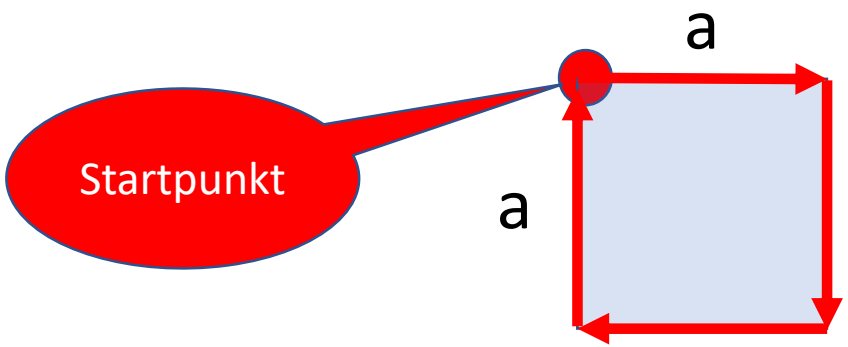


Raute



Trapez

# Quadrat

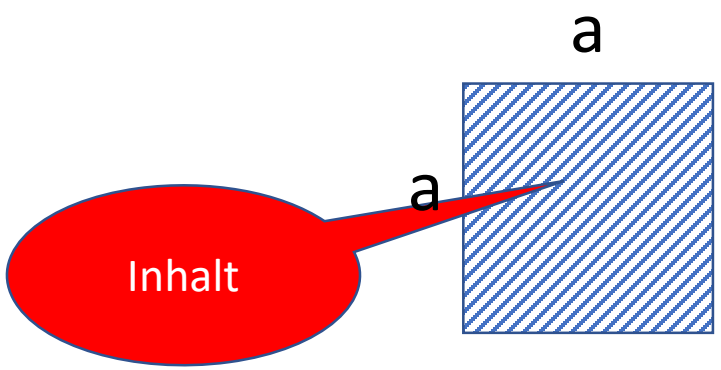



# Umfang

$$U = a + a + a + a$$

$$\boxed{U = 4 \cdot a}$$

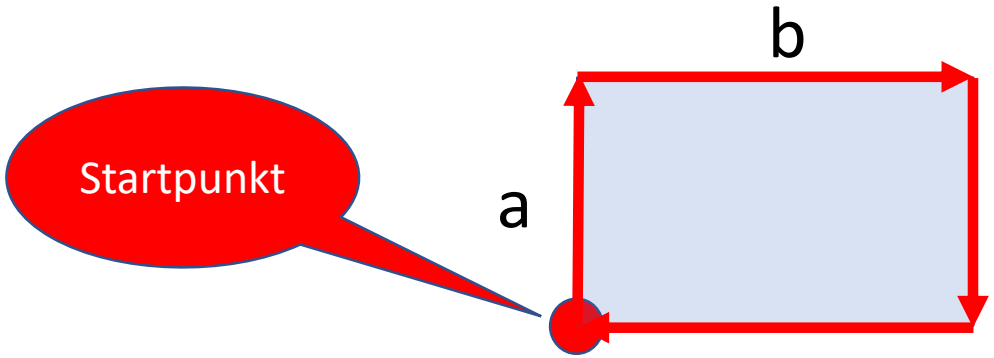
# Flächeninhalt




$$A = a \cdot a$$

$$\boxed{A = a^2}$$

# Rechteck

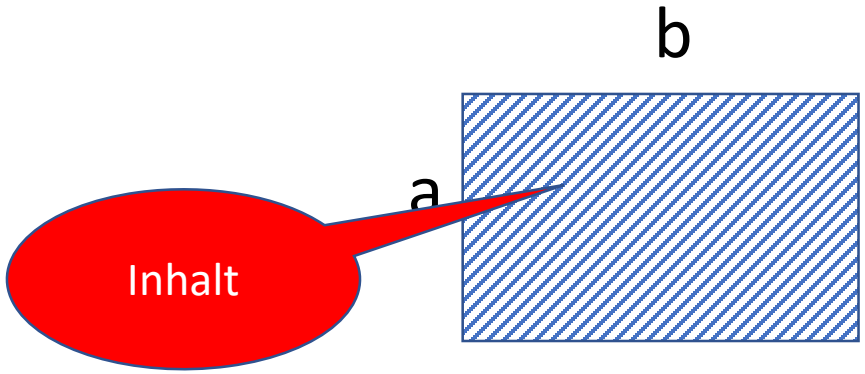



# Umfang

$$U = \ a \ + b + a + b$$

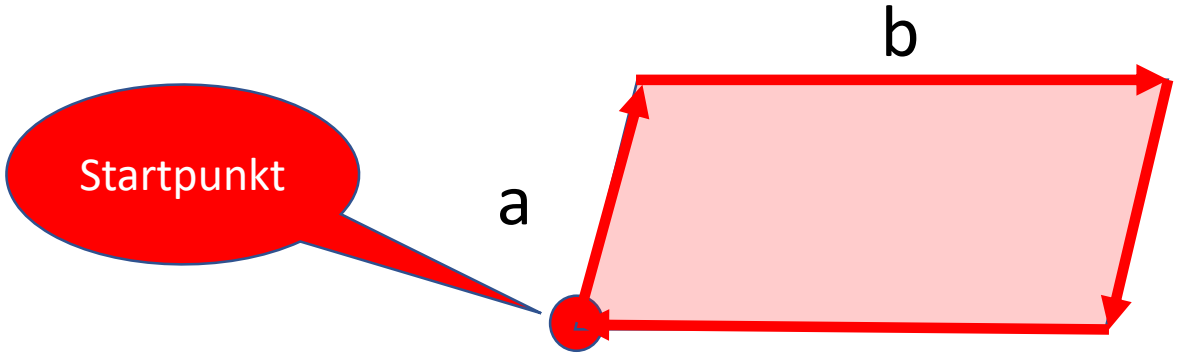
$$\boxed{U = 2 \cdot a + 2 \cdot b}$$

# Flächeninhalt




$$\boxed{A = a \cdot b}$$

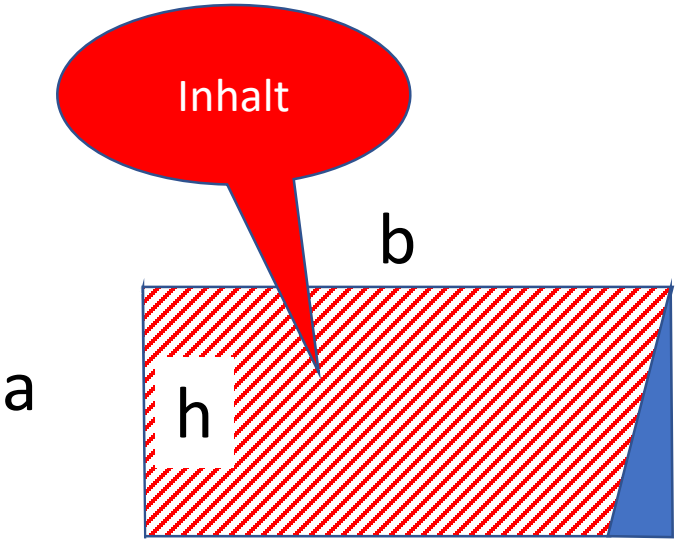
# Parallelogramm




# Umfang

$$U = a + b + a + b$$

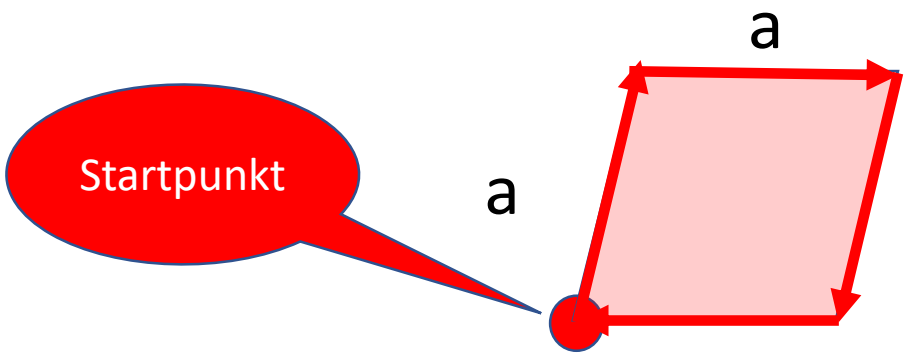
$$\boxed{U = 2 \cdot a + 2 \cdot b}$$

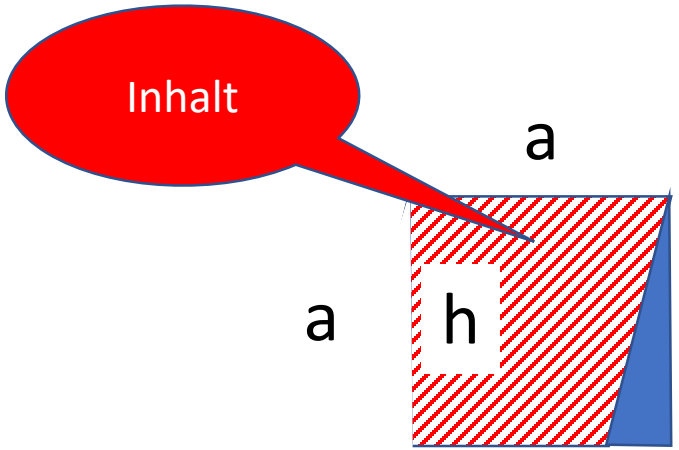



# Flächeninhalt

$$\boxed{A = h \cdot b}$$

# Raute




## Umfang

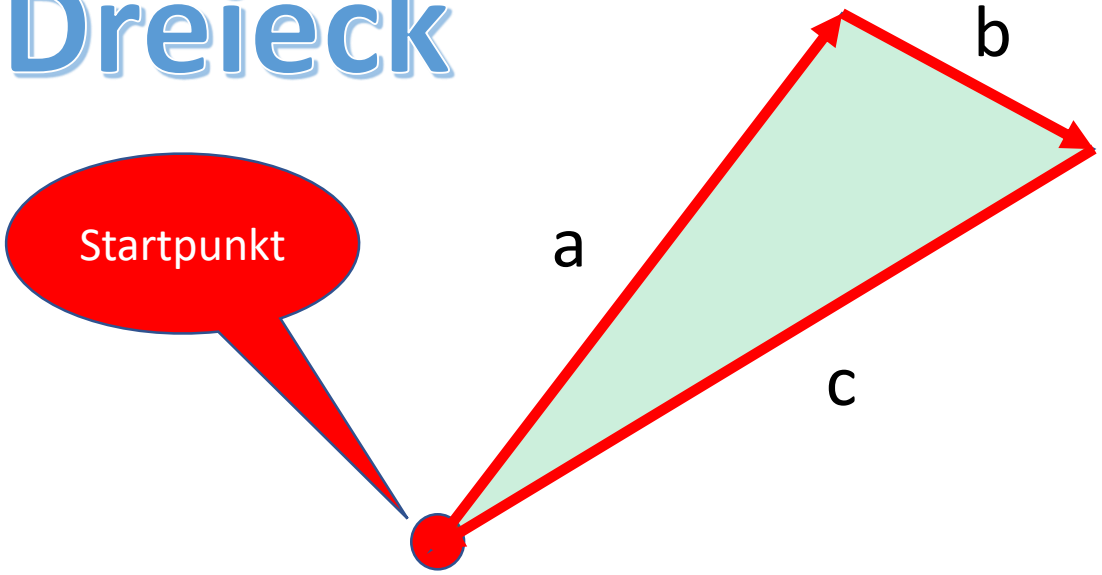
$$U = a + a + a + a$$

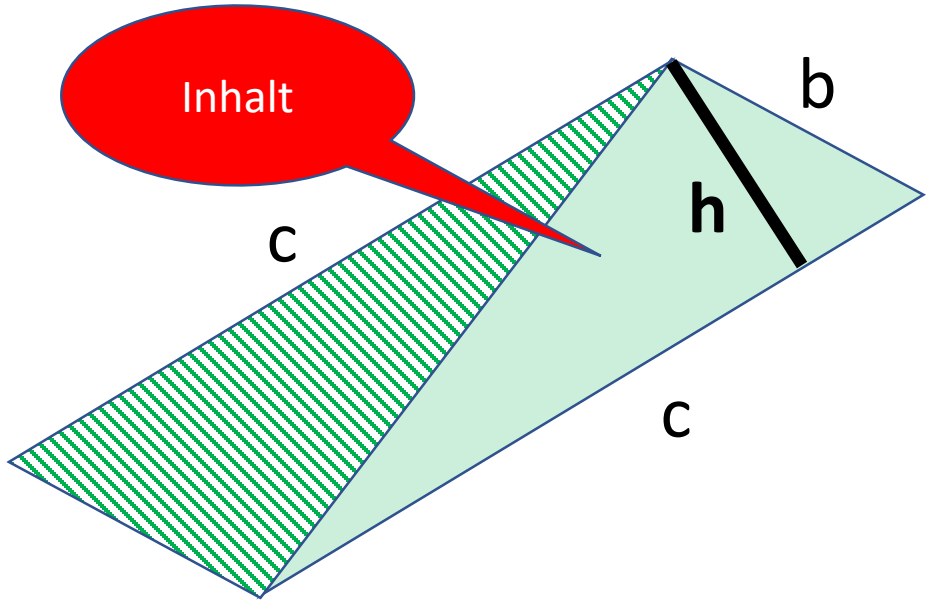
$$\boxed{U = 4 \cdot a}$$

## Flächeninhalt

$$\boxed{A = a \cdot h}$$

# Dreieck




# Umfang

$$U = a + b + c$$

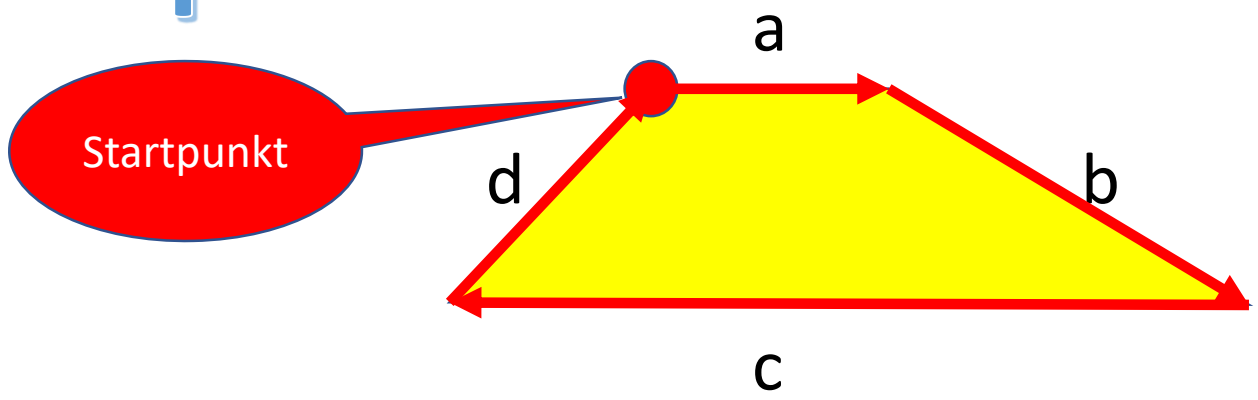
$$\boxed{U = a + b + c}$$

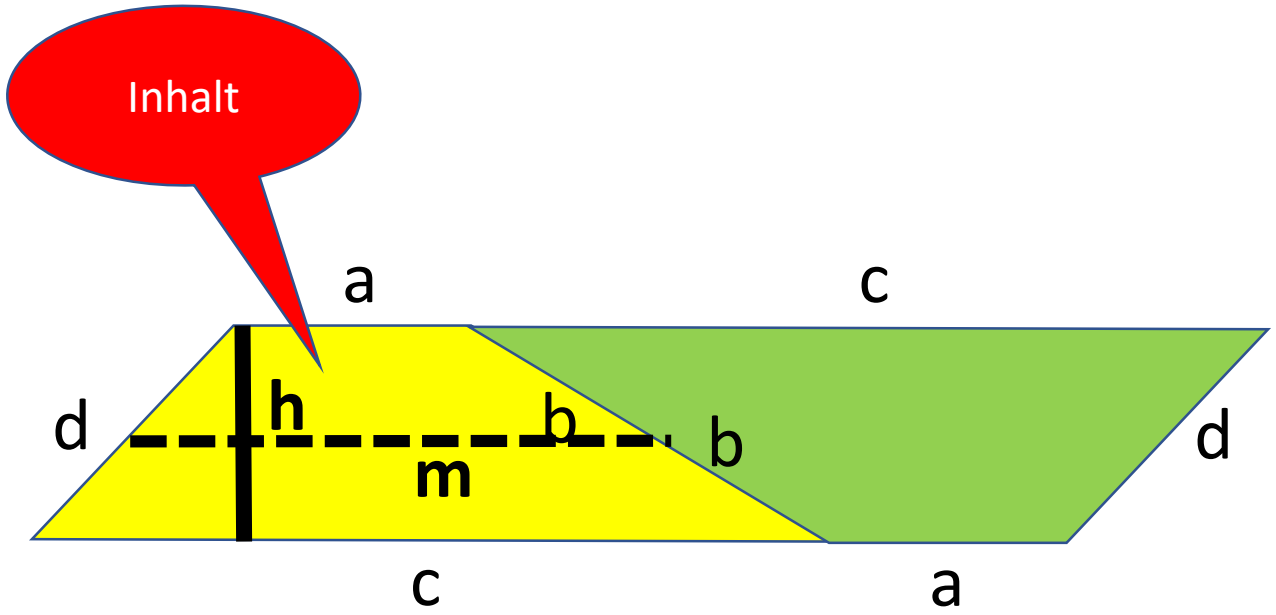
# Flächeninhalt

$$\boxed{A_{Parallelogramm} = c \cdot h_c}$$

$$\boxed{A_{Dreieck} = \frac{c \cdot h_c}{2}}$$

# Trapez




# Umfang

$$U = a + b + c + d$$

$$\boxed{U = a + b + c + d}$$

# Flächeninhalt

$$A_{Parallelogramm} = (a + c) \cdot h$$

$$\boxed{A_{Trapez} = \left(\frac{a + c}{2}\right) \cdot h}$$

$$\boxed{A_{Trapez} = m \cdot h}$$