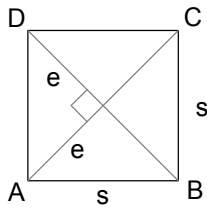


Planimetrie (u = Umfang, A = Flächeninhalt)

Quadrat

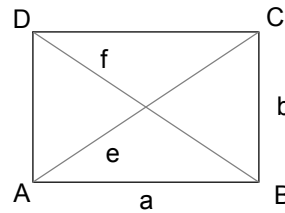


$$u = 4s$$

$$A = s^2$$

$$A = \frac{e^2}{2}$$

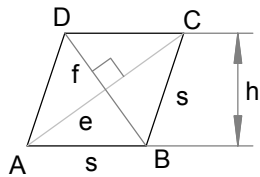
Rechteck



$$u = 2a + 2b$$

$$A = a \cdot b$$

Rhombus

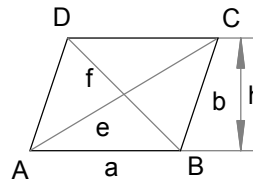


$$u = 4s$$

$$A = s \cdot h$$

$$A = \frac{e \cdot f}{2}$$

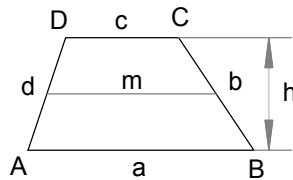
Rhomboid / Parallelogramm



$$u = 2a + 2b$$

$$A = a \cdot h$$

Trapez

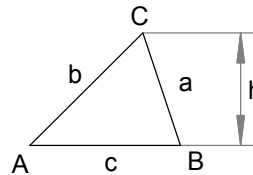


$$u = a + b + c + d$$

$$m = \frac{a+c}{2}$$

$$A = m \cdot h$$

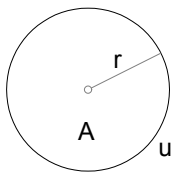
Dreieck



$$u = a + b + c$$

$$A = \frac{c \cdot h}{2}$$

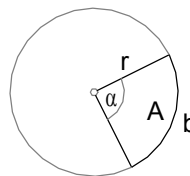
Kreis



$$u = 2r\pi$$

$$A = r^2\pi$$

Kreis (Bogen, Sektor)

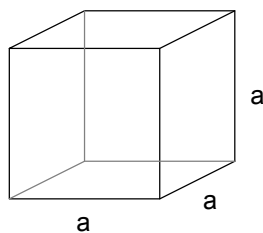


$$b = \frac{2r\pi \cdot \alpha}{360^\circ}$$

$$A = \frac{b \cdot r}{2}$$

Stereometrie (M = Mantelfläche, S = Oberfläche, V = Volumen)

Würfel

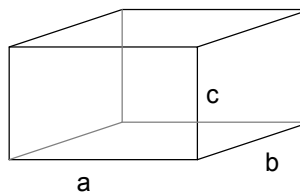


$$M = 4a^2$$

$$S = 6a^2$$

$$V = a^3$$

Quader

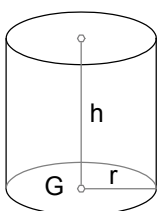


$$M = 2(ac + bc)$$

$$S = 2(ab + ac + bc)$$

$$V = a \cdot b \cdot c$$

Zylinder



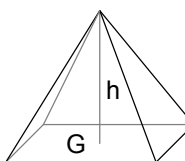
$$G = r^2\pi$$

$$M = 2r\pi \cdot h$$

$$S = M + 2G$$

$$V = r^2\pi \cdot h$$

Pyramide



$$V = \frac{G \cdot h}{3}$$