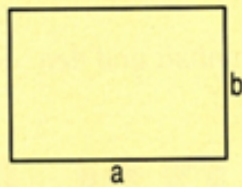


Formelsammlung

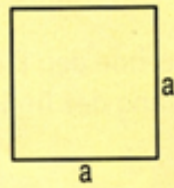
Flächeninhalt und Umfang des Rechtecks



$$A = a \cdot b$$

$$u = 2 \cdot a + 2 \cdot b$$

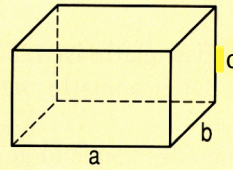
des Quadrats



$$A = a \cdot a = a^2$$

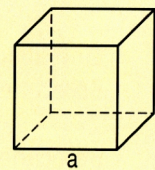
$$u = 4 \cdot a$$

Quader und Würfel



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

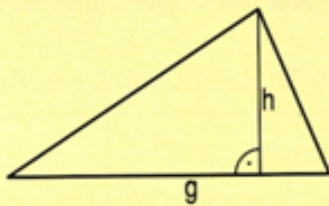
$$A_O = 2 \cdot a \cdot b + 2 \cdot b \cdot c + 2 \cdot a \cdot c$$



$$V = a^3$$

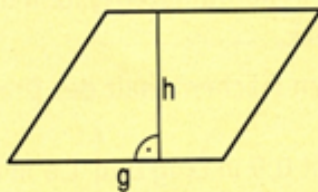
$$A_O = 6 \cdot a^2$$

Flächeninhalt des Dreiecks



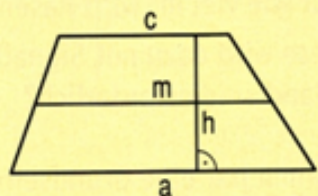
$$A = \frac{g \cdot h}{2}$$

Flächeninhalt des Parallelogramms



$$A = g \cdot h$$

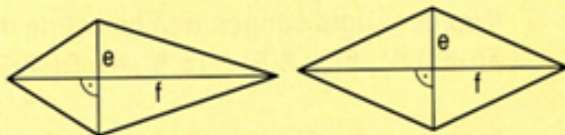
Flächeninhalt des Trapezes



$$A = m \cdot h$$

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

Flächeninhalt von Drachen und Raute



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

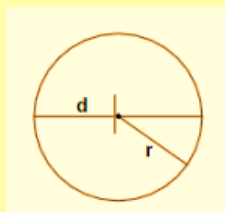
Flächeninhalt und Umfang vom Kreis

$$A = \pi \cdot r^2$$

$$u = 2\pi \cdot r$$

oder

$$u = \pi \cdot d$$

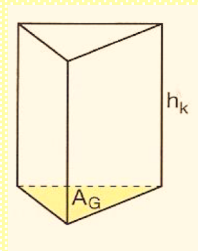


Volumen und Oberfläche des Prismas

$$V = A_G \cdot h_K$$

$$A_O = 2 \cdot A_G + A_M$$

$$A_M = u \cdot h_K$$



Volumen und Oberfläche des Zylinders

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

$$A_O = 2 \cdot A_G + A_M$$

$$A_G = \pi \cdot r^2$$

$$A_M = 2 \cdot \pi \cdot r \cdot h_K$$

