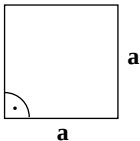
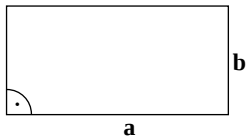
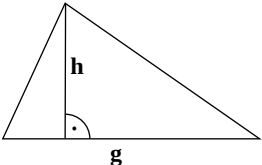
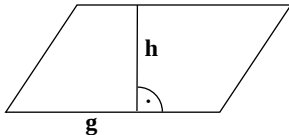
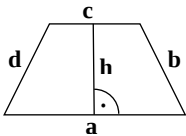
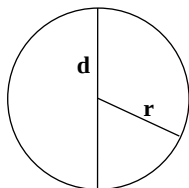
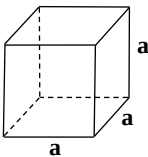
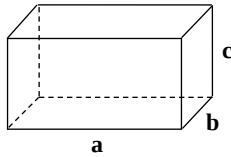
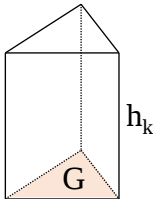
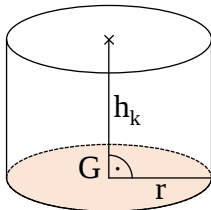


Mathematische Formeln

Ebene Figuren (Fläche A, Umfang u)	
Quadrat $A = a^2 = a \cdot a$ $u = 4 \cdot a$ 	Rechteck $A = a \cdot b$ $u = 2 \cdot a + 2 \cdot b$ 
Dreieck $A = \frac{g \cdot h}{2}$ $u = a + b + c$ 	Parallelogramm $A = g \cdot h$ $u = 2 \cdot a + 2 \cdot b$ 
Trapez $A = \frac{a + c}{2} \cdot h$ $u = a + b + c + d$ 	Kreis $d = 2 \cdot r$ $A = \pi \cdot r^2 = \pi \cdot r \cdot r$ $u = 2 \cdot \pi \cdot r$ oder $u = d \cdot \pi$ 
Körper (Volumen V, Oberfläche O, Grundfläche G, Mantelfläche M)	
Würfel $V = a^3 = a \cdot a \cdot a$ $O = 6 \cdot a^2 = 6 \cdot a \cdot a$ 	Quader $V = a \cdot b \cdot c$ $O = 2 \cdot a \cdot b + 2 \cdot b \cdot c + 2 \cdot a \cdot c$ 
Prisma $V = G \cdot h_k$ $M = u \cdot h_k$ $O = 2 \cdot G + M$ 	Zylinder $V = \pi \cdot r^2 \cdot h_k$ $O = 2 \cdot G + M$ $G = \pi \cdot r^2$ $M = 2 \cdot \pi \cdot r \cdot h_k$ 
Prozent- und Zinsrechnung	
P_w : Prozentwert G : Grundwert p : Prozentsatz / Zinssatz K : Kapital Z : Zinsen	$P_w = \frac{G \cdot p}{100} \quad G = \frac{P_w}{p} \cdot 100 \quad p = \frac{P_w}{G} \cdot 100$ $Z = \frac{K \cdot p}{100}$