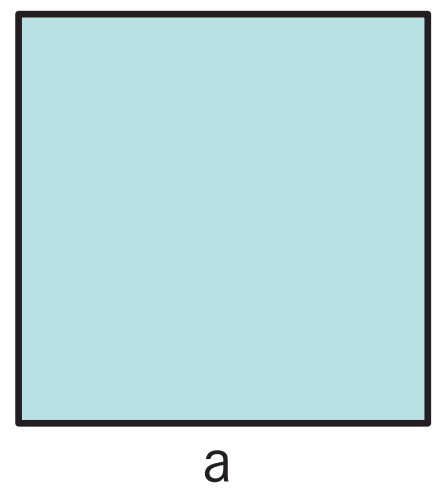


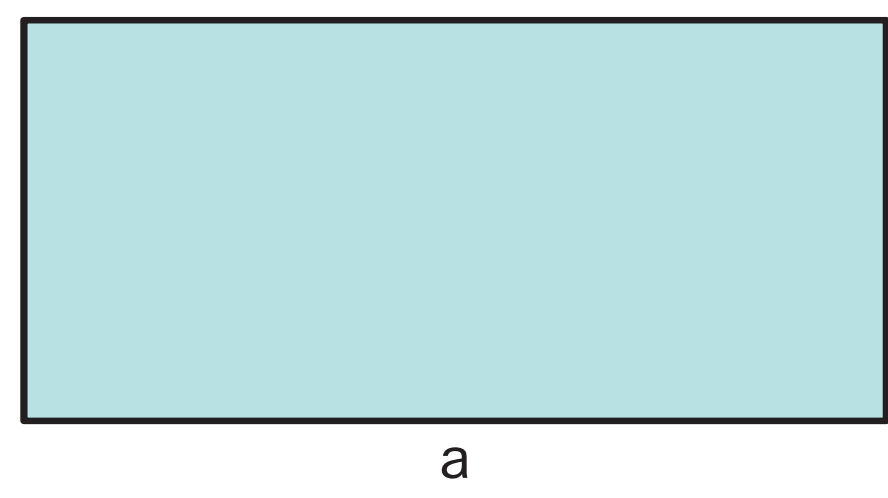
FLÄCHENBERECHNUNG

Quadrat



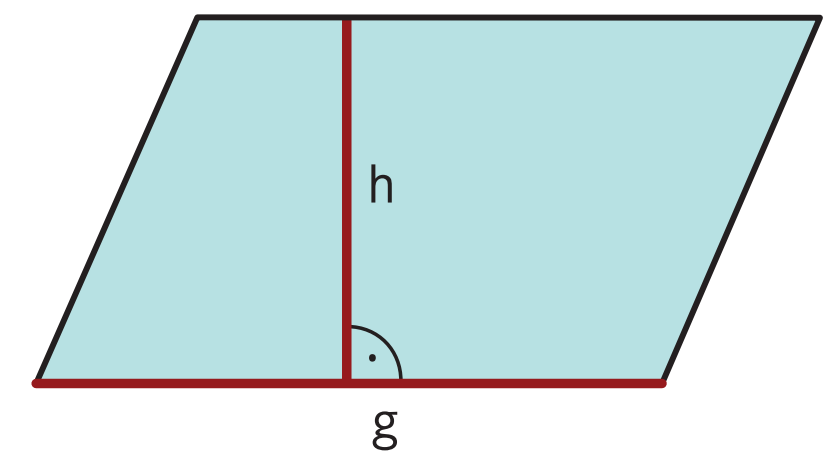
$$A = a^2$$

Rechteck



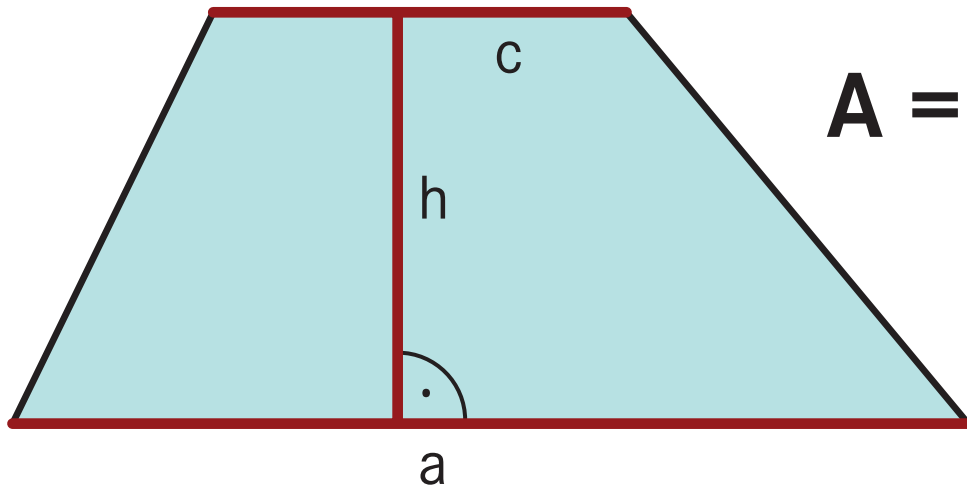
$$A = a \cdot b$$

Parallelogramm



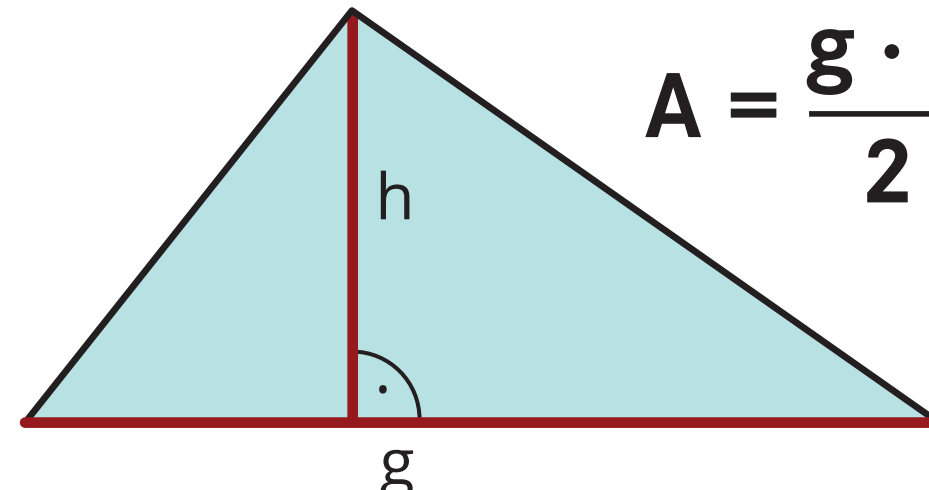
$$A = g \cdot h$$

Trapez



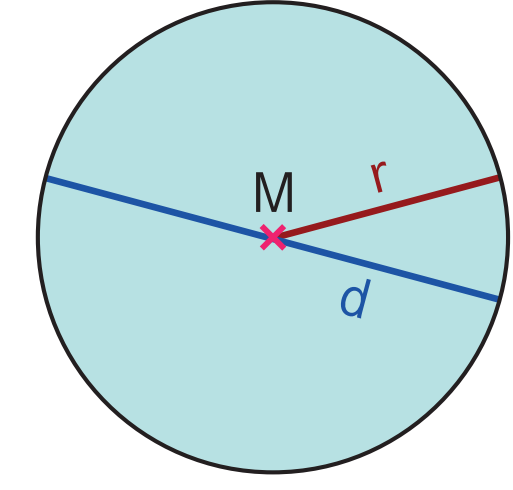
$$A = \frac{(a+c) \cdot h}{2}$$

Dreieck



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

Kreis



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

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

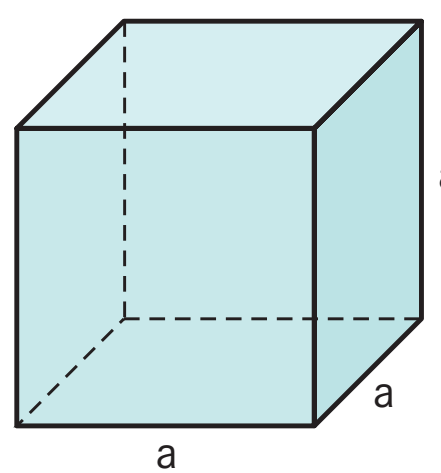
$$d = 2 \cdot r$$

Abkürzungen

A = Flächeninhalt
englisch „area“
G = Grundfläche
h = Höhe
M = Mantelfläche
O = Oberfläche
u = Umfang
V = Volumen
 $\pi \approx 3,14$

KÖRPERBERECHNUNG

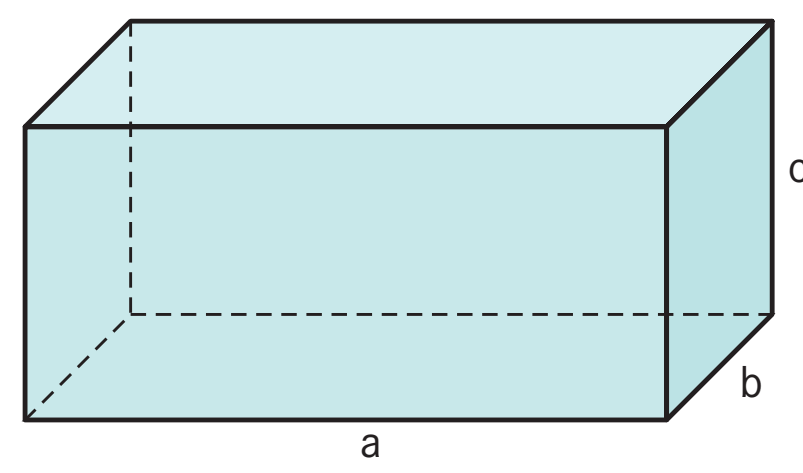
Würfel



$$V = a^3$$

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

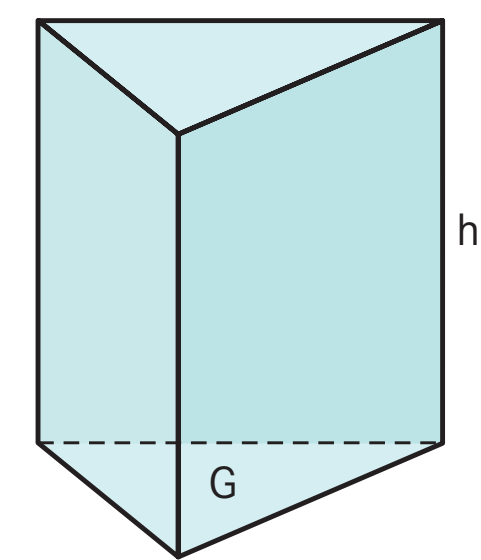
Quader



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

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

Prisma

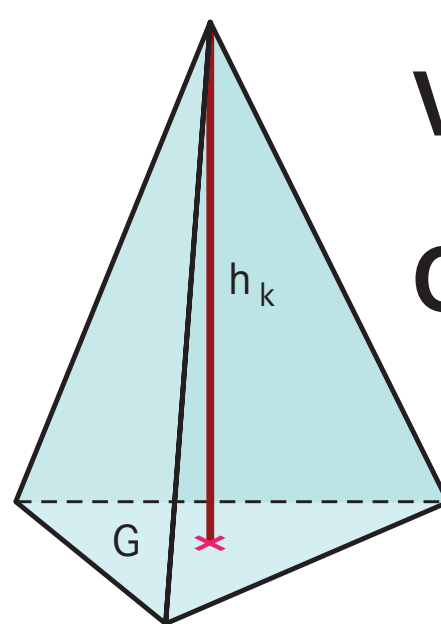


$$V = G \cdot h_k$$

$$M = u \cdot h_k$$

$$O = 2 \cdot G + M$$

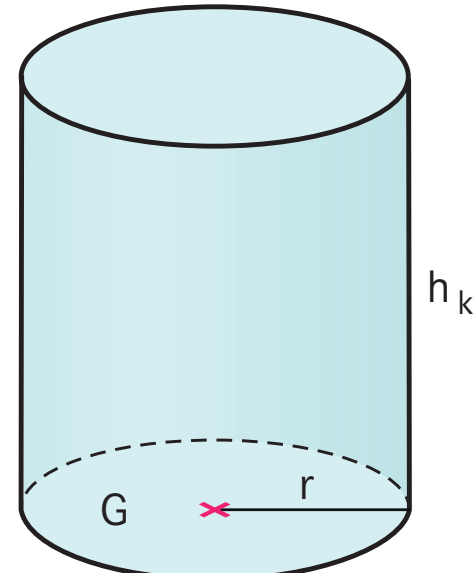
Pyramide



$$V = \frac{1}{3} \cdot G \cdot h_k$$

$$O = G + M$$

Zylinder

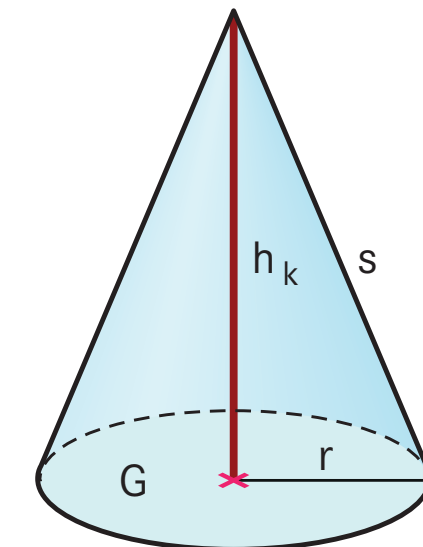


$$V = \pi \cdot r^2 \cdot h_k$$

$$M = u \cdot h_k$$

$$O = 2 \cdot G + M$$

Kegel

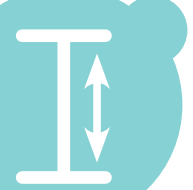


$$V = \frac{1}{3} \cdot G \cdot h_k$$

$$M = \pi \cdot r \cdot s$$

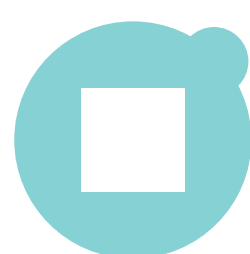
$$O = G + M$$

WICHTIGE EINHEITEN



Längen

: 1000 (km) · 1000
: 10 (m) · 10
: 10 (dm) · 10
: 10 (cm) · 10
: 10 (mm) · 10



Flächeninhalt

: 100 (km²) · 100
: 100 (ha) · 100
: 100 (a) · 100
: 100 (m²) · 100
: 100 (dm²) · 100
: 100 (cm²) · 100
: 100 (mm²) · 100



Volumen

: 1000 (m³) · 1000
: 1000 (l (dm³)) · 1000
: 1000 (ml (cm³)) · 1000
: 1000 (mm³) · 1000



Masse/Gewicht

: 1000 (t) · 1000
: 1000 (kg) · 1000
: 1000 (g) · 1000
: 1000 (mg) · 1000

