Formelsammlung

Ebene Figuren (A: Flächeninhalt U: Umfang r: Radius d: Durchmesser π=3,14)

Quadrat

$A=a^2$

$U=4*a$

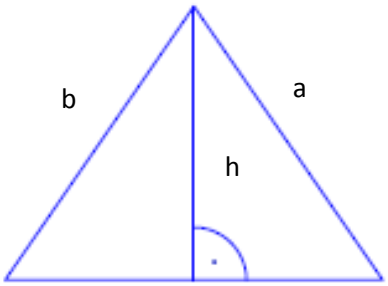
Rechteck

$A=a*b$

Dreieck

$A=(g*h)/2$

$U=a+b+c$

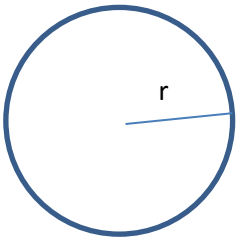


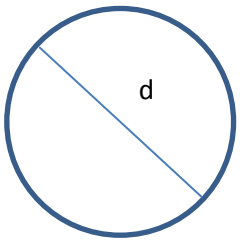
Kreis

$d=2*r$

$A = \pi r^2 = d^2/4$

$U=2*\pi*r = \pi*d$



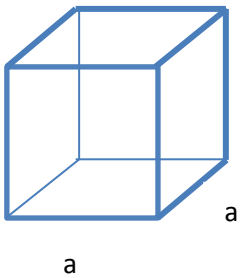


Körper (V: Volumen O: Oberfläche)

Würfel

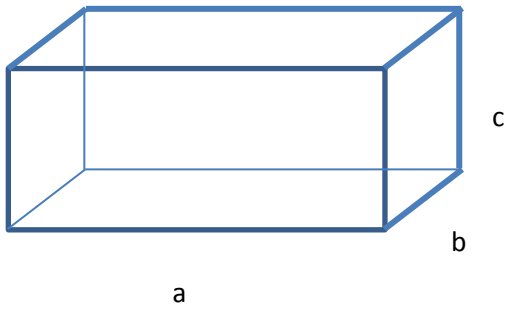
$V=a^3$

$O=6*a^2$



$V=a*b*c$

$O=2*a*b+2*a*c+2*b*c$



Maßeinheiten

Länge

1 km=1000 m

1 m=10 dm

1 dm=10 cm

1 cm=10 mm

Fläche

1 m^2=100 dm^2

1 dm^2=100 cm^2

1 cm^2=100 mm^2

1a=100 m^2 1 ha=10000 m^2

Volumen

1 m^3=1000 dm^3

1 dm^3=1000 cm^3

1 cm^3=1000 mm^3

Liter(L*)* 1 L=1 dm^3 1 ml=1 cm^3

Masse

1 t=1000 kg

1 kg=1000 g

1g=1000 mg

Zinsrechnung

$$Z = \frac{K * i * p}{100}$$

K – Kapital, i – Zeit, p - Zinssatz

$$Z = \frac{K * i * p}{100 * 12}$$

K – Kapital, i – Zeit in Monaten, p - Zinssatz

$$Z = \frac{K * i * p}{100 * 360}$$

K – Kapital, i – Zeit in Tagen, p - Zinssatz