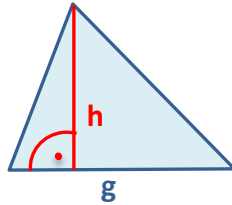


Flächenberechnungen

Die wichtigsten Flächenformeln

Dreieck:

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



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

$$A = \frac{a \cdot h_a}{2}$$

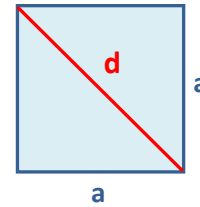
$$A = \frac{b \cdot h_b}{2}$$

Quadrat:

$$A = a^2$$

$$u = 4a$$

$$d = a \cdot \sqrt{2}$$

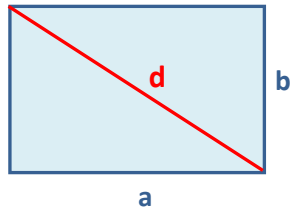


Rechteck:

$$A = a \cdot b$$

$$u = 2(a + b)$$

$$d = \sqrt{a^2 + b^2}$$

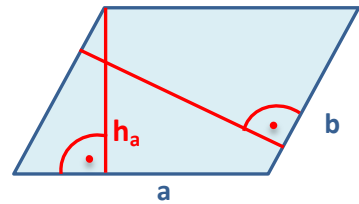


Parallelogramm:

$$A = a \cdot h_a$$

$$A = b \cdot h_b$$

$$u = 2(a + b)$$



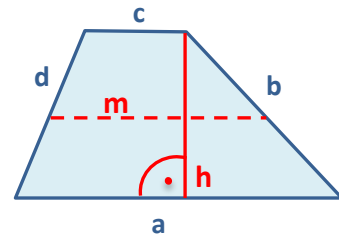
Trapez:

$$m = \frac{1}{2} \cdot (a + c)$$

$$A = m \cdot h$$

$$A = \frac{1}{2} \cdot (a + b) \cdot h$$

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



Kreis:

$$\text{Kreiszahl } \pi \approx 3,14$$

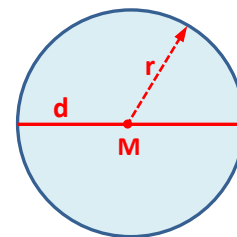
$$d = 2r$$

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

$$u = \pi \cdot d$$

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

$$A = \frac{d^2}{4} \cdot \pi$$



Kreisring:

$$A = r_1^2 \cdot \pi - r_2^2 \cdot \pi$$

$$A = (r_1^2 - r_2^2) \cdot \pi$$

