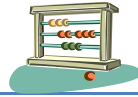


Formelsammlung

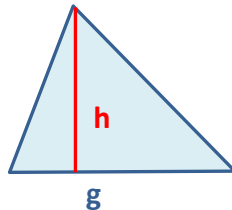


Teil 08

8 Flächenberechnung

8.1 Dreieck:

$$A = \frac{1}{2} \cdot g \cdot h$$

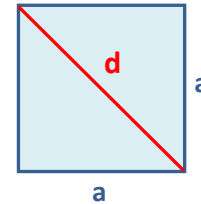


8.2 Quadrat:

$$A = a^2$$

$$u = 4a$$

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

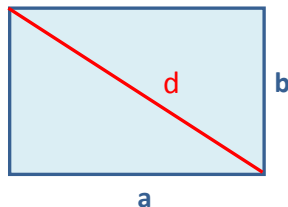


8.3 Rechteck:

$$A = a \cdot b$$

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

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

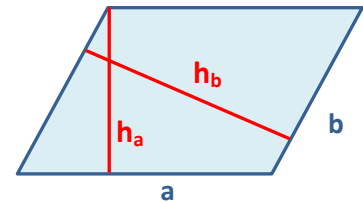


8.4 Parallelogramm:

$$A = a \cdot h_a$$

$$A = b \cdot h_b$$

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



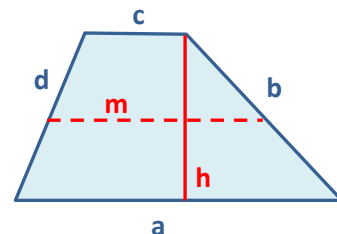
8.5 Trapez:

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

$$A = \frac{1}{2} \cdot m \cdot h$$

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

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



8.6 Kreis:

$$\pi \approx 3,14$$

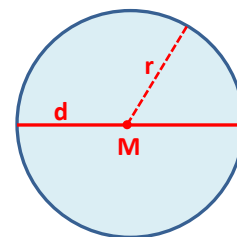
$$d = 2 \cdot r$$

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

$$u = d \cdot \pi$$

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

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



8.7 Kreisring:

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

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

