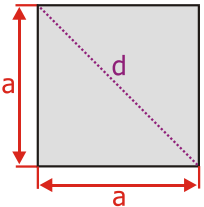
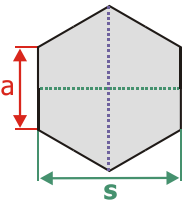
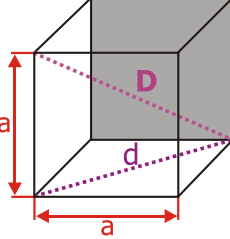
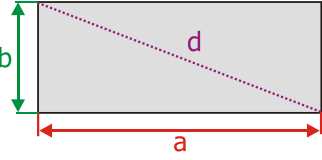
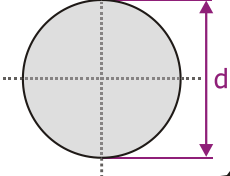
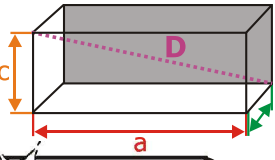

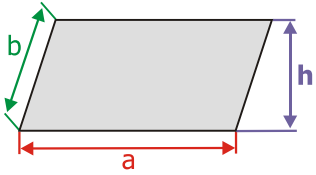


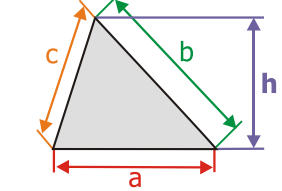
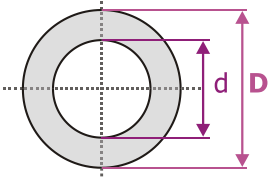
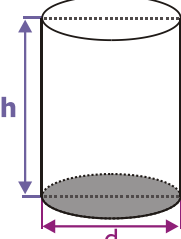
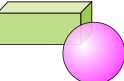
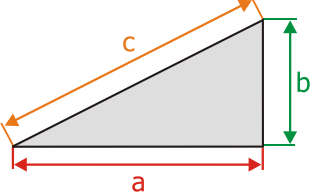
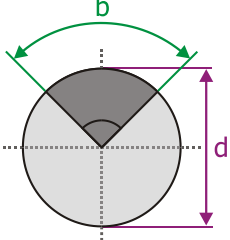
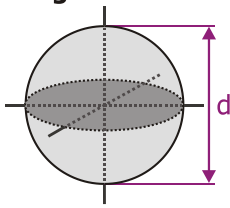




<p>Quadrat</p>  <p> $A = a^2$ $d = a * 1,414$ $u = 4a$ </p>	<p>Reguläres Sechseck</p>  <p> $s = a\sqrt{3}$ $= a * 1,732$ $A = \frac{3a^2}{2} * \sqrt{3}$ </p>	<p>Würfel</p>  <p> $V = a^3$ $d = a * \sqrt{2}$ $D = a * \sqrt{3}$ $O = 6 * a^2$ </p>	<p>Binomische Formeln</p> <p>1. binomische Formel: $(a + b)^2 = a^2 + 2ab + b^2$</p> <p>2. binomische Formel: $(a - b)^2 = a^2 - 2ab + b^2$</p> <p>3. binomische Formel: $(a + b)(a - b) = a^2 - b^2$</p>
<p>Rechteck</p>  <p> $A = a * b$ $a = A / b$ $b = A / a$ $u = 2 * (a + b)$ $a = u / 2 - b$ $d = \sqrt{(a^2 + b^2)}$ </p>	<p>Kreis</p>  <p> $u = d * \pi$ $d = \frac{u}{\pi}$ $A = \frac{d^2 * \pi}{4}$ </p>	<p>Quader</p>  <p> $V = a * b * c$ $a = \frac{V}{b * c}$ $b = \frac{V}{a * c}$ </p>	<p>Längenmasse </p> <p> 1 mm (Millimeter) = 1/1000 m 1 cm (Zentimeter) = 1/100 m = 10 mm 1 dm (Dezimeter) = 1/10 m = 10 cm 1 m (Meter) = 1 m = 10 dm 1 hm (Hektometer) = 1 * 100 m = 100 m </p>
<p>Parallelogramm</p>  <p> $A = a * h$ $a = A / h$ $h = A / a$ $u = 2 * (a + b)$ $a = u / 2 - b$ </p>	<p>Formelblatt  Lernen mit Spass www.lernen-mit-spass.ch</p>		<p>Flächenmasse </p> <p> 1 cm² = 100 mm² 1 dm² = 100 cm² 1 m² = 100 dm² 1 a = 100 m² = 10 m * 10 m 1 ha = 100 a = 100 m * 100 m 1 km² = 100 ha = 1000 m * 1000 m </p>
<p>Dreieck</p>  <p> $A = a * h / 2$ $a = 2A / h$ $h = 2A / a$ $u = a + b + c$ $a = u - (b + c)$ </p>	<p>Kreisring</p>  <p> $A = \frac{\pi * (D^2 - d^2)}{4}$ $D = \sqrt{\frac{4A}{\pi} + d^2}$ $d = \sqrt{D^2 - \frac{4A}{\pi}}$ </p>	<p>Zylinder</p>  <p> $V = \frac{d^2 * \pi * h}{4}$ $O = \frac{d * \pi * (2h + d)}{2}$ $d = \sqrt{\frac{4V}{\pi * h}}$ </p>	<p>Körpermasse </p> <p> 1 cm³ = 1000 mm³ 1 dm³ = 1000 cm³ 1 m³ = 1000 dm³ </p>
<p>Rechtwinkliges Dreieck (Pythagoras)</p>  <p> $c^2 = a^2 + b^2$ $b^2 = c^2 - a^2$ $a^2 = c^2 - b^2$ $a = \sqrt{c^2 - b^2}$ </p>	<p>Kreisausschnitt (Sektor)</p>  <p> $b = \frac{d * \pi * \alpha}{360}$ $A = \frac{b * d}{4}$ $d = \frac{4 * A}{b}$ $d = \frac{360 * b}{\pi * \alpha}$ </p>	<p>Kugel</p>  <p> $V = \frac{d^3 * \pi}{6}$ $O = d^2 * \pi$ $d = \sqrt[3]{\frac{6V}{\pi}}$ </p>	<p>Gewichte </p> <p> 1 g = 1000 mg 1 kg = 1000 g 1 t = 1000 kg (t = Tonne) </p> <p>Hohlmasse </p> <p> 1 ml (Milliliter) = 1/1000 l 1 cl (Zentiliter) = 1/100 l = 10 ml 1 dl (Deziliter) = 1/10 l = 10 cl 1 l (Liter) = 1 liter = 10 dl 1 hl (Hektoliter) = 1 * 100 l = 100 l </p>
<p>Abkürzungen</p> <p> O = Oberfläche A = Fläche (Englisch = Area) V = Volumen h = Höhe d = Diagonale α = Alpha u = Umfang π ≈ 3.14 </p>			