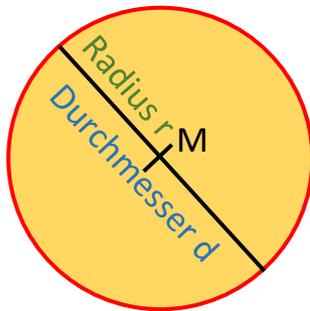


Flächeninhalt eines Kreises

Für den Flächeninhalt eines Kreises mit Radius r gilt:



$$A = 3,14 \cdot r^2$$
$$A = 3,14 \cdot \left(\frac{d}{2}\right)^2$$

$d = 2r$

The diagram shows a box containing the equation $d = 2r$. A line from the r^2 term in the first equation goes to the box, and a line from the box goes to the $\left(\frac{d}{2}\right)^2$ term in the second equation.

Beispiel: $r = 2 \text{ cm}$

$$A = 3,14 \cdot (2 \text{ cm})^2 = 3,14 \cdot 4 \text{ cm}^2 = 12,56 \text{ cm}^2$$