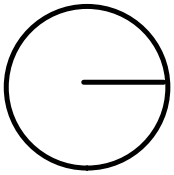
l'aire d'un cercle



r= 2cm

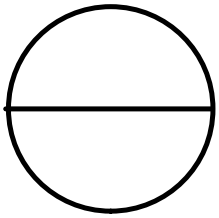
L'aire d'un cercle

$$A_o = \pi r^2$$

$r^2 = r(r)$ $\quad r = \frac{d}{2}$

$$A_o = \pi r r$$

Calcule l'aire de chaque cercle.



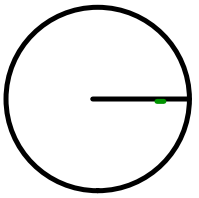
d= 5 cm

$r = \frac{d}{2} = \frac{5\,cm}{2} = 2,5\,cm$

$A_o = \pi r r$

$= 3,14(2,5_{cm})(2,5_{cm})$

$= 19,625\,cm^2$

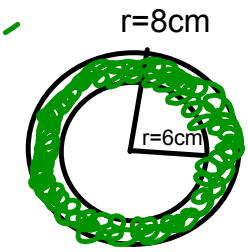


r=10cm

$A_o = \pi r r$

$= 3,14(10)_{cm}(10)_{cm}$

$= 314\,cm^2$



$A_{\textcircled{1}} - A_{\textcircled{2}} = A_{\textcircled{3}}$

$A_{\textcircled{1}} = \pi r r$

$= 3,14\,(8\,cm)\,(8\,cm)$

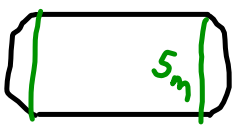
$= 200,96\ cm^2$

$A_{\textcircled{2}} = \pi r r$

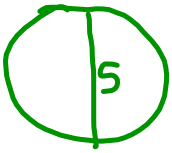
$= 3,14\,(6\,cm)\,(6\,cm)$

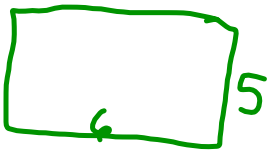
$= 113,04\ cm^2$

$$\begin{array}{rl} A_{\textcircled{1}} - A_{\textcircled{2}} = & {}^{1}\,{}^{9}\\ & 200,96\\ - & 113,04\\ \hline & 87,92\,cm^2 \end{array}$$



6 m





$A_o = \pi r r$

$= 3,14(2,5)(2,5)$

$= 19,625\ m^2$

$A_\square = b\ h$

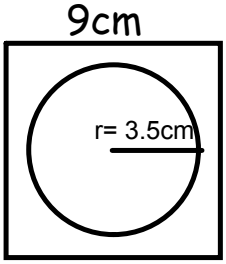
$= 5 \times 6$

$= 30\ m^2$

$r = \frac{d}{2} = \frac{5}{2} = 2,5$

$A_o + A_\square = 30,000\ m + 19,625\ m$

$49,625\ m^2$


9cm
r= 3.5cm