

Circles

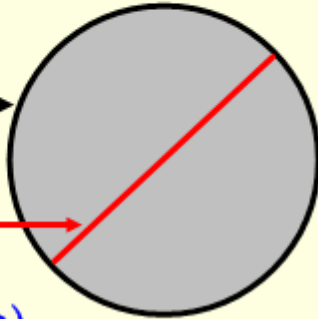
To work out the area or circumference of a circle we use a special number called pi

π

Pi is the number you get when you divide the circumference of any circle by its diameter

circumference →

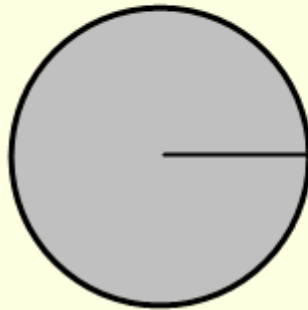
diameter →



$$\pi = 3.14 \text{ (2dp)}$$

$2\pi r$

The circumference of a circle = $2\pi r$



r is the radius

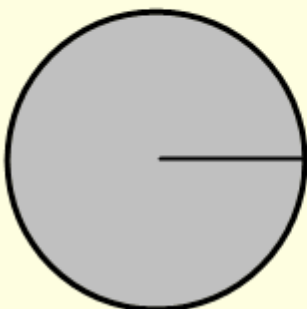
if the radius is 5cm:

$$\text{Circumference} = 2 \times \pi \times 5$$

$$\text{Circumference} = 31.4\text{cm (2dp)}$$

πr^2

The area of a circle = πr^2



r is the radius

if the radius is 5cm:

$$\text{Area} = \pi \times 5^2$$

$$\text{Area} = 78.54\text{cm}^2 \text{ (2dp)}$$