## Keywords:

## Definition / Description:

## Knowledge

 points:
## Knowledge point examples:

## Linked

 Knowledge MapsDiameter, Radius, Circumference, Chord, Arc, Sector, Segment, Tangent, Pi (m)

Diameter: the chord that passes through the centre of a circle
Radius: a line that joins the centre of a circle to the circumference
Circumference: The perimeter of a circle
Chord: a line that joins two points on the circumference
Arc: part of the circumference
Sector: the section of a circle between two radii and an arc
Segment: the section of a circle between a chord and an arc
Tangent: a straight line that touches a circle without crossing it
$\mathbf{P i}(\pi)$ : the ratio of a circumference to the diameter of a circle

Parts of a circle

$C=\pi d$

$$
=\pi \times 6
$$

$$
=18.8 \mathrm{~cm}
$$

(1dp)



Perimeter of a sector

When calculating the perimeter of
a sector we first calculate the arc
a sector we first calculate the arc length and then add on 2 radii radii
is the plural word for radius). is the ellural word for radius).
Usually measured in $\mathrm{cm}, \mathrm{m}, \mathrm{mm}$.

Area of sector: Length of arc: $A=\frac{\theta}{360} \times \pi r^{2} \quad L=\frac{\theta}{360} \times \pi d$

Where $\Theta$ is the angle
Where $\theta$ is the angle


Angles
Circle Theorems
Non-linear graphs - circle, reciprocal, exponential 3D shapes

