

Name: Teacher

Date: _____

Circles

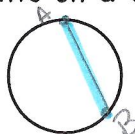
Definitions

Circle:

A perfectly round closed plane figure with all points the same distance from the center.

Chord:

A segment joining any two points on a circle.



Diameter:

A chord that passes through the center of a circle.

It is equal to twice the radius. $d = 2r$

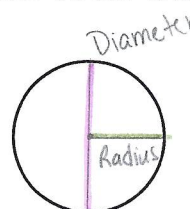
Radius:

A line segment with one end point at the center of the circle and the other at any point along the circle.

$\frac{1}{2}$ of the diameter

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

Radii is the plural of radius.



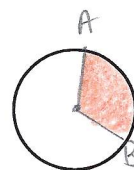
Disc:

An area or a plane which includes the circle and its inner area



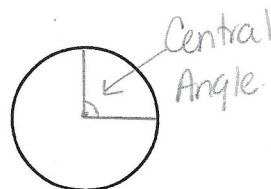
Sector:

A portion of a disc bounded by two radii.



Central Angle:

An angle formed by 2 radii.

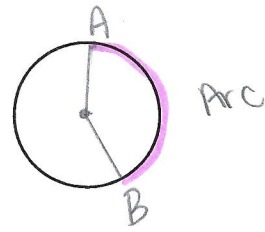


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Arc:

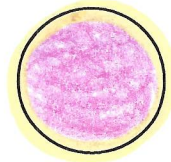
A part of a circle or the curve between 2 points.



Circumference:

The distance around a circle.

Rule: $c = \pi d$ or $c = 2\pi r$



Area of disc:

The measure of the surface of a circle.

Rule: $A = \pi r^2$