The circumference of a circle is the <u>verimeter</u>	The area of a circle is the region
or <u>distance</u> around the circle.	inside the circle.
* LENGTH one dimensional	
Formulas: C=Trd OR C=ZTr	Formula: A=Tr2
Example: Determine the circumference. $C = T d$ (Justify) $C = T \cdot 10$ (plug in)	*TWO DIMENSIONAL measurement!!  Example: Determine the area.  A=Tr <sup>2</sup> A=Tr <sup>2</sup> (plug in
C=10tt inches (exact analy)	A=8177 m2 (exact,
C~31.42 inches (approxi	
A T A	A C - cooton
Arc Length	Area of a sector
Length of an arc of distance from one end to the	The <u>Sector</u> , or piece of a circle, formed
	The <u>Sector</u> , or piece of a circle, formed by the two radii of a central angle and the arc
Length of an arc or distance from one end to the	The <u>Sector</u> , or piece of a circle, formed
Length of an arc or distance from one end to the other (measured in ft, cm, in, etc a portion of	The <u>Sector</u> , or piece of a circle, formed by the two radii of a central angle and the arc between their endpoints on the circle.
Length of an arc or distance from one end to the other (measured in ft, cm, in, etc a portion of circumference)  Formulas:  Length of arc arcmasure Creumference  Example: Determine the length of ÂB.	The <u>Sector</u> , or piece of a circle, formed by the two radii of a central angle and the arc between their endpoints on the circle.
Length of an arc or distance from one end to the other (measured in ft, cm, in, etc a portion of circumference)  Formulas:  Length of arc = 360° Circumference	The Sector, or piece of a circle, formed by the two radii of a central angle and the arc between their endpoints on the circle.  Formulas:  Asector  Acrele

= 10m units

231.42 units

Circles: Area and Circumference

Area

Circumference