|  |  |  |  |
| --- | --- | --- | --- |
| a line in the plane of the circle that intersects the circle in exactly one point | |  | |
| the point where a circle and a tangent intersect  https://encrypted-tbn1.gstatic.com/images?q=tbn:ANd9GcT4wZB2ilKj9H1MngxjV6I5JIntN46ywq1PfjCLnfCVw4lK4gUc | | a half of a circle or of its circumference. | |
| Then the line is perpendicular to the radius at the point of tangency | | the smaller of the two arcs formed when a circle is divided into two unequal parts. | |
|  | | The larger arc joining two points on the circumference (edge) of a circle.  https://encrypted-tbn1.gstatic.com/images?q=tbn:ANd9GcTLn-idaTwerIutuyYWtP5JGVM3LWHZ8cC9Y5SI7sd-QVA9csBL0w | |
|  |  |  | Geometry  by Sharrer  Circles  p1/4  Tangent to a circle |
| Semicircle |  |  | Point of tangency |
| Minor Arc |  |  | (theorem)  If a line is tangent to a circle  then… |
| Major Arc |  |  |  |
| a straight line that cuts a curve in two or more parts.  https://encrypted-tbn3.gstatic.com/images?q=tbn:ANd9GcQH0scWu2j_5LqzU7l14wOPnb0cGLkr4nPAdoUj4SDy5Ht0LakcoQ | | circles that all have the same center | |
| Arcs next to each other on the circumference of a circle  \_\_\_\_ | | two circles with the same radii , diameter, or circumference | |
| the linear distance around the edge of a closed curve or circular object. | | these are equal if they have the same angle measure | |
| https://encrypted-tbn3.gstatic.com/images?q=tbn:ANd9GcQ54fqP1OVGeB1AG-5r_8-Buzs2_9hw8M0LtU67qCOMwEv-f7Yc | | * The central angles that create them are * Their arcs are * They are the same distance from the center | |
| Concentric Circles |  |  | Geometry  by Sharrer  Circles  p2/4  Secant |
| **Circles** are  when… |  |  | Adjacent Arcs |
| **Arcs**  are  when… |  |  | circumference  (define) |
| **Chords**  are  when… |  |  | pi |
|  | | The distance along the arc (part of the circumference of a circle, or any curve) | |
| The measure of an arc formed by two adjacent arcs is the sum of the measures of the two arcs | | the measure of an arc’s central angle | |
|  | | … | |
| this is the product of the ratio | | … | |
| Arc Length |  |  | Geometry  by Sharrer  Circles  p3/3 |
| Arc Measure |  |  | Arc Addition Postulate |
| . |  |  | Circumference of a Circle (formula)  C= |
|  |  |  | Arc Length (theorem) |
|  | |  | |
|  | |  | |
| http://www.msdgeometry.com/joomla/images/stories/angles%20of%20tangents%20secants.jpg | |  | |
|  | |  | |
| ? |  |  | Geometry  by Sharrer  Circles  p4/4  ? |
| ? |  |  | ? |
| ? |  |  | =?  =?  =? |
|  |  |  | ? |