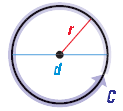
Geometry

Mr. Lumanauw

**Circumference and Arc Length of a circle**

**I. Circumference.**

* The circumference of a circle is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_



*Or*

* *Example 1:*

**Find the indicated Measure**

a. Circumference of a circle with radius 9 centimeters

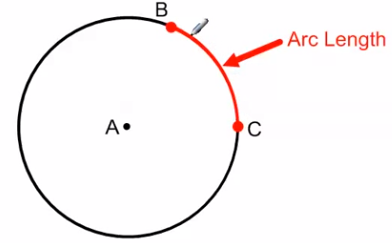
b. Radius of a circle with circumference 26 meters.

Solution:

|  |  |
| --- | --- |
| a. | b. |

**II. Arc Length**

* Arc Length is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_



* Two kinds of arc length.

|  |  |
| --- | --- |
| **Degree**    By Central Angle:  Central Angle = | **Distance (inches, feet, centimeters, etc.)**    By Proportion:  = |

|  |
| --- |
| Example 1: |
| Example 2: |
| Example 3: |