~Circumference and Arc Length of Circles Notes~

**UNIT QUESTION: What special properties are found with the parts of a circle?**

MMC9-12.G.C.1-5,G.GMD.1-3

**Today’s Question: How do we find the arc length of a sector?**

MMC9-12.G.C.5

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| 2 types of Answers |
| **Rounded** | **Exact** |
| * Type the Pi button on your calculator
* Toggle your answer
* Round
 | * Type the Pi button on your calculator
* Pi will be in your answer
* TI 36X Pro gives exact answers
 |

* Circumference:
* Formulas:

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| **Find the EXACT circumference**  |
| 1. r = 14 feet
 | 1. d = 15 miles
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| **Find the circumference. Round to the nearest tenth.** |
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| 1. **A circular flower garden has a radius of 3 feet. Find the circumference of the garden to the nearest hundredths.**
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* Arc Length:
* Formula:

|  |  |
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| 1. Find the Arc Length. Round to the nearest hundredths
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| 1. Find the exact Arc Length.
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| 1. Find the radius. Round to the nearest hundredth.

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| 1. Find the circumference. Round to the nearest hundredth.

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| 1. Find the radius of the unshaded region. Round to the nearest tenth.

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