

Warmup

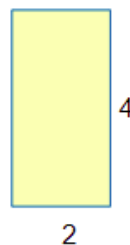
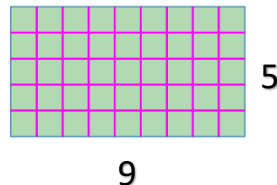
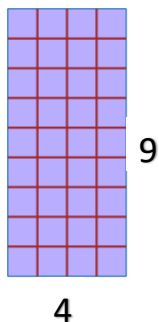
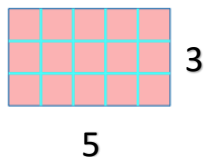
1. The grades for the Math test are 91, 94, 93, 95, and 100. The teacher randomly picks one test from the class. Find each probability.

What is the probability the test will be greater than or equal to 90? _____

What is the probability the test will be less than an 80? _____

What is the probability the teacher will pick a test with a 100%? _____

2. Find the Area of each figure:



3. _____ is the amount of space inside a figure. The units are _____.

_____ is the distance around a figure. It is measured in _____.

Circles: Circumference and Area

- I. Circles
- II. Circumference of a Circle
- III. Area of a Circle

I. Circles

Circle: A set of points in a plane that are the same distance from a point in the plane.

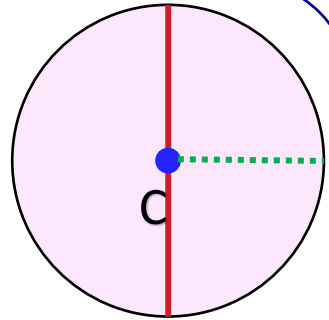
Point C is the _____ of the circle

The **green dashed line segment** is the _____. It is the distance from the center of the circle to any point on the circle.

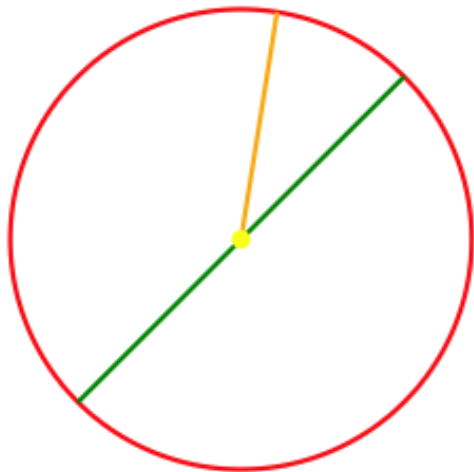
The **red line segment** is the _____. It is the distance from one side of the circle to the other side, through the center.

diameter = _____ radius

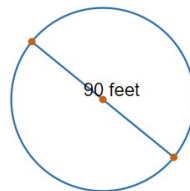
radius = _____ diameter



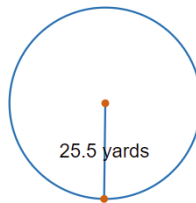
4. Label the parts of the circle



5. Find the radius of the circle.



6. Find the diameter of the circle.



II. Circumference of a Circle

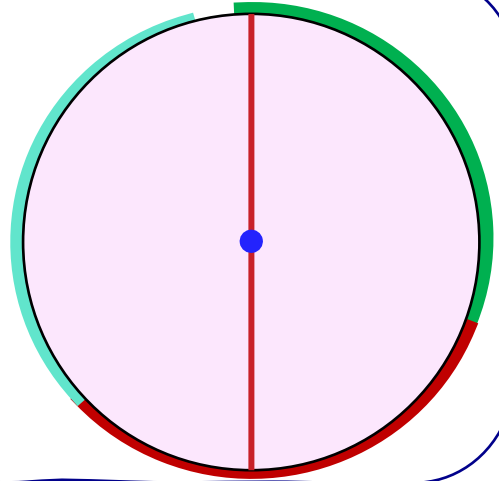
Circumference: The distance around a circle.

$$C = \pi d$$

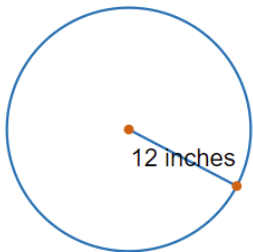
$$C = 2\pi r$$

The diameter of a circle goes around the circle three times and a little more. $\pi = 3.14$

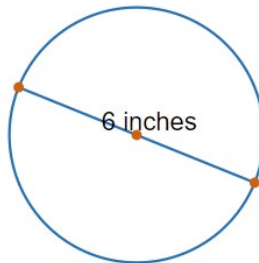
3.1415926535897932384626433....



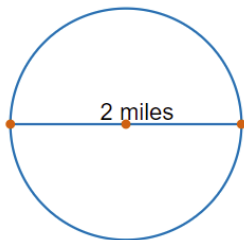
Find the circumference of the Circle



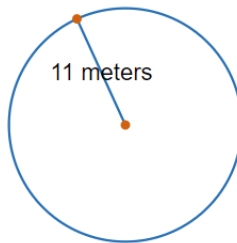
Find the circumference of the Circle



7. Find the circumference of the Circle



8. Find the circumference of the Circle



9. Find the circumference of the Circle

III. Area of a Circle

Area of a Circle: The area of the circle is the space inside the circle.

$$A = \pi r^2$$

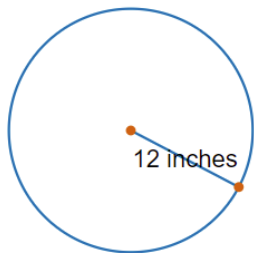
$$A = \pi r r$$

In class you will use $\pi = 3.14$

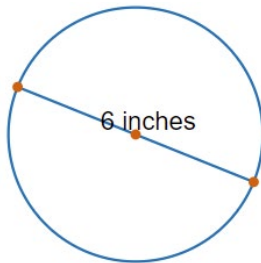
3.1415926535897932384626433....

Area is always
_____ units

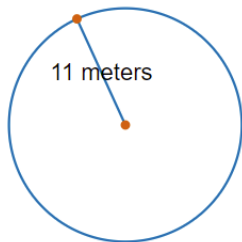
Find the area of the Circle



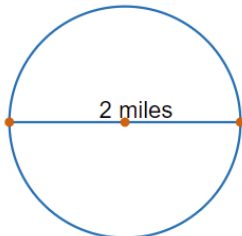
Find the area of the Circle



10. Find the area of the Circle



11. Find the area of the Circle



12. Find the area of the Circle

13. Write the Area and Circumference Formulas

[illegible]