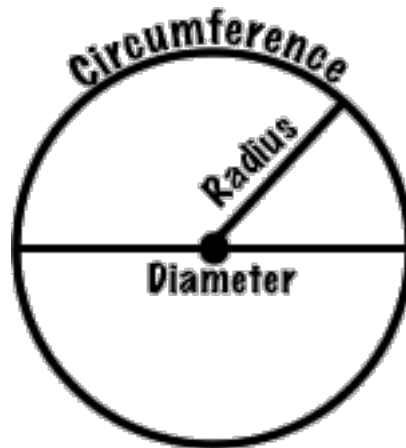


Diameter, Radius, and Circumference

- The **diameter** is the distance across a circle through the center. You can see what the diameter looks like by drawing a line through a circle, making sure it goes through the point in the middle, called the **center**.
- The **radius** is the distance from the center to a point on the circle. The radius is exactly half the length of the diameter.
- The **circumference** is the perimeter of a circle, or the distance around the outside the circle.



Finding the Circumference

The circumference of a circle is approximately 3.14 times the size of its diameter. We know the number 3.14 as π , or pi. So the formula for finding the circumference of a circle is:

$$C = d\pi$$

where d = diameter and C = circumference

Since the diameter of a circle is twice as long as the radius, we can also use another formula:

$$C = 2\pi r$$

where r = radius and C = circumference