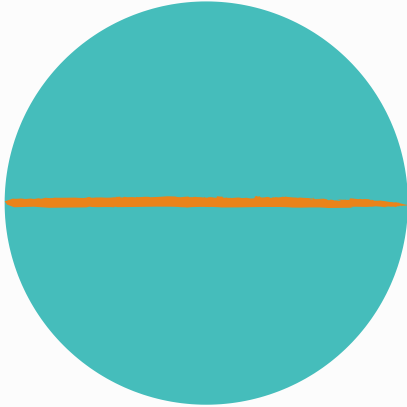


Get to know the circle!

DIAMETER, RADIUS AND CIRCUMFERENCE



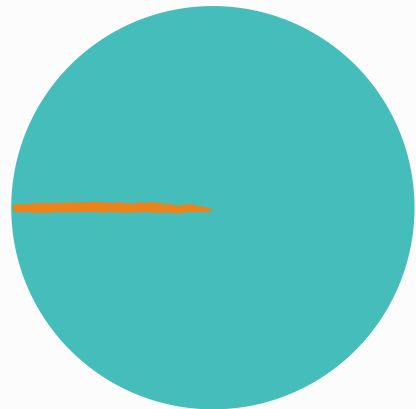
Diameter

is a straight line passing from side to side through its center



Radius

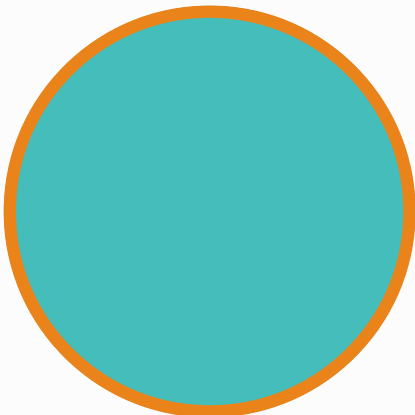
is the distance from the center outwards



Circumference

Circumference is the distance around the circle

The orange line around the circle!



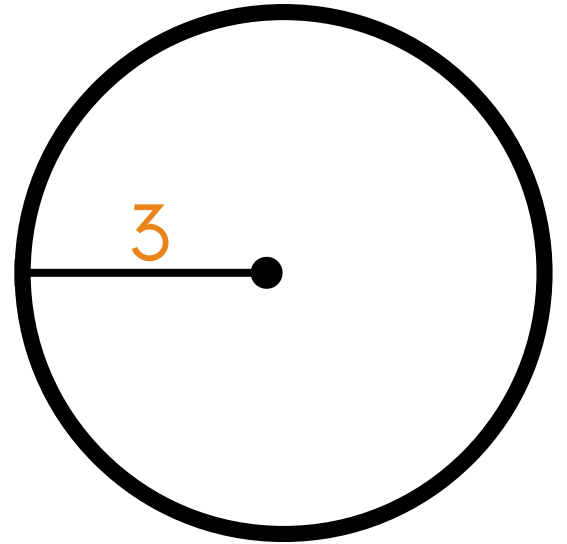
Area and Circumference

Circumference

Formula: $2\pi r$ or πd

Example: What is the circumference?

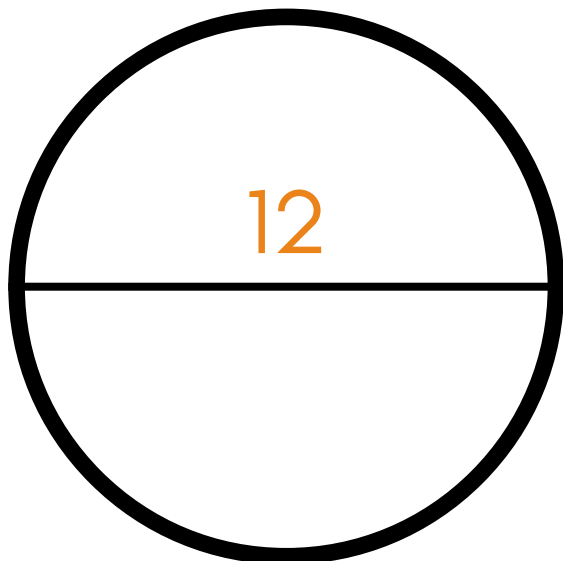
If the radius is 3, then the diameter is 6. The circumference is 6π .



$$6\pi$$

Area Formula: πr^2

Example: What is the area of the circle?



If the diameter is 12, the radius is 6.
 $6^2 = 36$, so the area of the circle is 36π .

$$36\pi$$