

Circle: the set of all points in a plane equidistant from a given point called the center of the circle.

Radius: segment with endpoints at the center and on the circle

Diameter: a line that passes through the center

Circumference: distance around the circle

Pi: 3.14

Formulas for Circles

>Circumference of a Circle

$$C = \pi d$$

Ex Step 1: $C = \pi d$

Step 2: $C = \pi \times 10$

Step 3: $C = 31.4\text{cm}$

>Area of a Circle

$$A = \pi r^2$$

Ex Step 1: $A = \pi r^2$

Step 2: $A = \pi \times 5^2$

Step 3: $A = 78.5\text{cm}^2$