

Area and Circumference of Circles

([CCSS.Math.Content.7.G.B.4](#))

The **area** is the amount of space inside of a two-dimensional shape. The **circumference** measures the length of the perimeter (outer edge) of a circle. The **radius** of a circle is the distance from the center to the edge of the circle. The **diameter** of a circle is the length of a segment that passes through the center and has endpoints on the circle. The diameter is always twice the length of the radius.

If your students...

Misconception #1: use $C = \pi r$ instead of $C = 2\pi r$

WATCH: Finding the Circumference of a Circle

<https://www.youtube.com/watch?v=eGJm7hM4z6w>

Misconception #2: confuse the order of operations when finding area

WATCH: Finding the Area of a Circle

<https://www.youtube.com/watch?v=oitAQnasDZ8>

For extra practice with area and circumference of circles:

PLAY: Calculate Area, Radius, Circumference

<http://www.mathgames.com/skill/7.1-circles-calculate-area-radius-circumference>

PLAY: NYAN Cat Circumference of Circles

<https://scratch.mit.edu/projects/2235410/>

