

A **Regular Polygon** is a shape with any number of sides, but where the lengths of all sides are equal (and the angles of all vertices are thus also equal), eg a square or an equilateral triangle.

Sides indicates the number of sides of the polygon

Lengths indicates the length of each of the sides

Perimeter is the distance around the outside of the polygon, ie the sum of all the side lengths

Area is the area inside the polygon

Inradius is the radius of the circle that fits inside the polygon and which just touches each of the polygon's sides

Circumradius is the radius of the circle into which the polygon fits and which runs through each of the polygon's vertices