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