

Polygons 3 – Polygon Angles

6.03

A regular polygon is a polygon with all _____ equal and all _____ equal.
Complete the chart below for regular polygons.

Name	Number of sides	Sum of interior angles	One interior angle	One exterior angle	Sum of exterior angles
	3				
	5				
	6				
	8				
	n				
			165°		
				18°	
180-gon					
		2880°			

- The sum of the exterior angles of a regular polygon is _____.
- One exterior angle and one interior angle of a regular polygon are _____.
- The sum of the exterior angles divided by the number of sides will result in _____.
- The sum of the interior angles divided by the number of sides will result in _____.
- The sum of the interior angles can be found by multiplying _____ less than the number of _____ by 180 degrees.

Selected scrambled answers: 540, 3240, 160, 60, 135, 1080, 18, 360, 720, 162, 2