Polygons 5+ Notes

Name of polygon	Number of Sides	Number of Diagonals from a vertex	Number of triangles in polygon	Sum of interior angles	Measure of one interior angle (Regular Only)	Measure of one exterior angle (Regular Only)	Sum of exterior angles
Triangle 	3	0	1	180°	60°	120°	360°
Quadrilateral 	4	1	2	360°	90°	90°	
Pentagon 	5	2	3	540°	108°	72°	
Hexagon 	6	3	4	720°	120°	60°	
Heptagon	7	4	5	900°	128.6°	51.4°	
Octagon 	8	5	6	1080°	135°	45°	
Nonagon	9	6	7	1260°	140°	40°	
Decagon	10	7	8	1440°	144°	36°	
n-gon	n	$n-3$	$(n-3)+1$	$(n-2)(180°)$	$\frac{180(n-2)}{n}$	$\frac{360°}{n}$	360°