

Interior and Exterior Angles of Polygons

# sides	Polygon Name	# Triangles	Sum of the Interior Angles	Degrees in 1 <u>Interior Angle</u>	Degrees in 1 <u>Exterior Angle</u>	Total Exterior Angles
3	triangle	1	180	60	120	360
4	quadrilateral	2	360	90	90	360
5	pentagon	3	540	108	72	360
6	hexagon	4	720	120	60	360
7	heptagon	5	900	128.6	51.4	360
8	octagon	6	1080	135	45	360
9	nonagon	7	1260	140	40	360
10	decagon	8	1440	144	36	360