

<i>Polygon</i>	<i>Number of sides</i>	<i>Number of triangles</i>	<i>Sum of interior angles</i>
Triangle	3	$3 - 2 = 1$	$1 \times 180^\circ = 180^\circ$
Quadrilateral	4	$4 - 2 = 2$	$2 \times 180^\circ = 360^\circ$
Pentagon	5	$5 - 2 = 3$	$3 \times 180^\circ = 540^\circ$
Hexagon	6	$6 - 2 = 4$	$4 \times 180^\circ = 720^\circ$
Heptagon	7	$7 - 2 = 5$	$5 \times 180^\circ = 900^\circ$
Octagon	8	$8 - 2 = 6$	$6 \times 180^\circ = 1\ 080^\circ$
Nonagon	9	$9 - 2 = 7$	$7 \times 180^\circ = 1\ 260^\circ$
Decagon	10	$10 - 2 = 8$	$8 \times 180^\circ = 1\ 440^\circ$
<i>n</i> sides	<i>n</i>	<i>n</i> -2	$(n - 2) \times 180^\circ$