2. Find the sum of the interior angles of the following polygons and complete the table below.

Polygon	*Number of sides*	*Number of triangles formed by joining a vertex to the nonadjacent vertices*	*Sum of interior angles*
Quadrilateral	4	*2*	$2 \times 180° = 360°$
Pentagon	5	*3*	$3 \times 180° = 540°$
Hexagon	6		
Heptagon	7		
Octagon	8		
Nonagon	9		
Decagon	10		
n–sided polygon	n		

From the Class Discussion above, we obtain the following result:

The sum of the interior angles of an n-sided polygon is $(n-2) \times 180°$.

[*Reference:* ∠ *sum of polygon*]

◀ ***Question:***
Does this formula apply to a trian
as well?