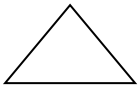
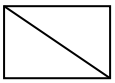
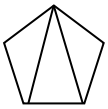
ANGLE RULES
INVESTIGATION
ANGLE SUM OF POLYGONS

Complete the table below to work out the formula for the angle sum of all polygons. (The first 3 have been completed as examples.) Then describe the pattern in words and using algebraic symbols.

Diagram	2D Shape	Number of Sides	Number of Triangles	Angle Sum of Polygon (degrees)
	Triangle	3	1	180
	Quadrilateral	4	2	360
	Pentagon	5	3	540
	Hexagon	6		
	Heptagon	7		
	Octagon	8		

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