

# Sum of Angles

The sum of angles for any closed shape can be found using the formula:  $(n-2) \times 180^\circ$ .

For example, a pentagon has 5 sides so the sum of the angles would be  $(5-2) \times 180^\circ = 3 \times 180^\circ = 540^\circ$ .

Use the above information to complete the table:

Shape	No. of sides	No. of angles	Sum of angles
Hexagon			
Octagon			
Nonagon			
Decagon			

