

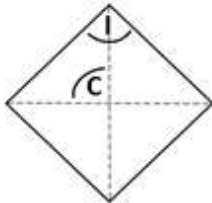


# Gordon Burgin's Puzzles

## Polygons

The formulas for finding angles (in degrees) within a regular N-sided polygon are:

Example:  
a square polygon



- Central angle (C) =  $\frac{360}{N}$
- Interior angle (I) =  $\frac{(N - 2) \times 180}{N}$

In the following chart, fill in the missing numbers (?):

Regular Polygons	Number of Sides (N)	Central Angle ( C ) in degrees	Interior Angle ( I ) in degrees
Triangle	3	?	?
Square	4	90	90
Pentagon	5	?	?
Hexagon	6	?	?
Octagon	8	?	?
Decagon	10	?	?
Icosagon	20	?	?
Circle	(Inifinite)	>0	<180