



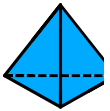


TYPE OF FACE	TYPE OF PYRAMID	# OF VERTICES	# OF FACES	# OF EDGES
TRIANGLE 	TRIANGULAR	4	4	6
SQUARE 	SQUARE	5	5	8
PENTAGON 	PENTAGONAL	6	6	10
HEXAGON 	HEXAGONAL	7	7	12
SEPTAGON	SEPTAGONAL	8	8	14
OCTAGON	OCTAGONAL	9	9	16
NONAGON	NONAGONAL	10	10	18



CHILI GON
1000 SIDES

CHILIGONAL

1001

1001

2000

n sides

n--gon

n + 1

n + 1

2 n

FILL IN THE MISSING PARTS IN THIS CHART AND LOOK FOR PATTERNS





Euler's Formula works for every convex solid.

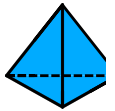
if you add the number of vertices to the number of faces and subtract the number of edges, the answer will always be 2.

$$V + F - E = 2$$

USE LEGOS, OR ANY OTHER SOLID IN YOUR HOME AND TEST THIS THEORY.

even though it is only supposed to work with simple convex solids, I have found that it works for most concaves as well as long as the solid does not have a hole.

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HEXAGON 	HEXAGONAL			
SEPTAGON	SEPTAGONAL			
OCTAGON	OCTAGONAL			
NONAGON	NONAGONAL			



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