






Prefixes in Geometry

There are many new words you must know to be able to describe shapes and a solid luckily there is a pattern to the way these words are used.

Meaning		Prefix	Shape	Solid	Star
Three	3	Tri	Triangle		
Four	4	Quad	Quadrilateral 		
Four	4	Tetra	Tetragon (rarely used)	Tetrahedron	Tetragram 
Five	5	Penta	Pentagon	Pentahedron	Pentagram
Six	6	Hexa	Hexagon	Hexahedron Cube 	Hexagram
Seven	7	Hepta*	Heptagon	Heptahedron	Heptagram
Eight	8	Octa	Octagon 	Octahedron	Octagram
Nine	9	Nona	Nonagon	Nonahedron	Nonagram
Ten	10	Deca	Decagon	Decahedron	Decagram
Twelve	12	Dodeca	Dodecagon	Dodecahedron	Dodecagram
Sixteen	16	Hexadeca			Hexadecagram 
Twenty	20	Icosa	Icosagon	Icosahedron	Icosagram
One hundred	100	Hecto			hectogram
Many		Poly	Polygon	Polyhedron	

Look at the table above. What do you think the suffix **gon** mean?

Look at the table above .What do you think the suffix **hedron** mean?

Why do you think there are two different prefixes for four?

* **Septa** is often used for seven. **Hepta** is from the Greek and **Septa** from Latin)