

Polyhedron Family Investigation Form

Begin by building four members of the polyhedron family you are investigating. Build the members of the family based on a triangle, a square, a pentagon, and a hexagon. Fill in the rest of the chart by looking for patterns. Figure out the relationship between the number of edges in the base shape and the number of vertices, edges, or faces in the polyhedron built from that shape.

Name of Family: _____

Number of edges in base shape	Vertices	Edges	Faces
3			
4			
5			
6			
7			
8			
20			
100			
n			