



Chapel Hill Math Circle

Beginners' Group

Polyhedra: Platonic Solids

December 17, 2016

1. Cut out the polyhedral models and build the polyhedra.
2. How many faces, vertices, and edges does each of them have?

Tetrahedron

Faces: ____

Vertices: ____

Edges: ____

Cube

Faces: ____

Vertices: ____

Edges: ____

Octahedron

Faces: ____

Vertices: ____

Edges: ____

Dodecahedron

Faces: ____

Vertices: ____

Edges: ____

Icosahedron

Faces: ____

Vertices: ____

Edges: ____

3. Do you see a pattern in those numbers?