

## Regular Polyhedrons

In a regular polyhedron, all faces are composed of the same regular polygon. The same number of polygons meet at each vertex. Note that we have to have at least 3 polygons meeting at a vertex to make a three-dimensional object.

### Using Triangles?

3 triangles at a vertex

4 triangles at a vertex

5 triangles at a vertex

6 triangles at a vertex

7 triangles at a vertex

### Using Squares?

3 squares at a vertex

4 squares at a vertex

5 squares at a vertex

### Using Pentagons?

3 pentagons at a vertex

4 pentagons at a vertex

### Using Hexagons?

3 hexagons at a vertex

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### The PLATONIC Solids

Name	Shape of faces	Number of Faces	Number of Vertices	Number of Edges
Cube	Square			
Tetrahedron	Triangle			
Octahedron	Triangle			
Icosahedron	Triangle			
Dodecahedron	Pentagon			