

Table of Platonic and Archimedean Solids

Name	Vertex Description	Number of						Number of edges	Number of Vertices
		Triangles (3)	Squares (4)	Pentagons (5)	Hexagon (6)	Octagon (8)	Decagons (10)		
Platonic									
Tetrahedron	(3,3,3)	4						6	4
Octahedron	(3,3,3,3)	8						12	6
Hexahedron (cube)	(4,4,4)		6					12	8
Icosahedron	(3,3,3,3,3)	20						30	12
Dodecahedron	(5,5,5)			12				30	20
Archimedean									
Truncated tetrahedron	(3,6,6)	4			4			18	12
Truncated octahedron	(4,6,6)		6		8			36	24
Truncated cube (hexahedron)	(3,8,8)	8				6		36	24
Truncated icosahedron	(5,6,6)			12	20			90	60
Truncated dodecahedron	(3,10,10)	20					12	90	60
Cuboctahedron	(3,4,3,4)	8	6					24	12
Icosidodecahedron	(3,5,3,5)	20		12				60	30
Small Rhombicuboctahedron	(3,4,4,4)	8	18					48	24
Small Rhombicosidodecahedron	(3,4,5,4)	20	30	12				120	60
Truncated cuboctahedron/ Great rhombicuboctahedron	(4,6,8)		12		8	6		72	48
Great rhombicosidodecahedron	(4,6,10)		30		20		12	180	120
Snub cube	(3,3,3,3,4)	32	6					60	24
Snub dodecahedron	(3,3,3,3,5)	80		12				150	60

