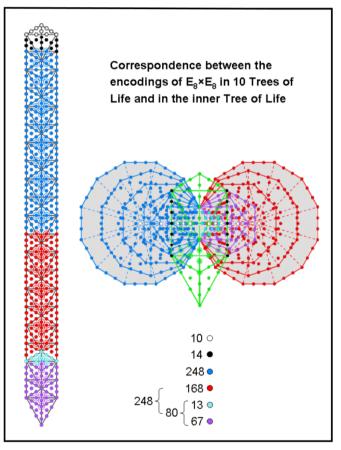
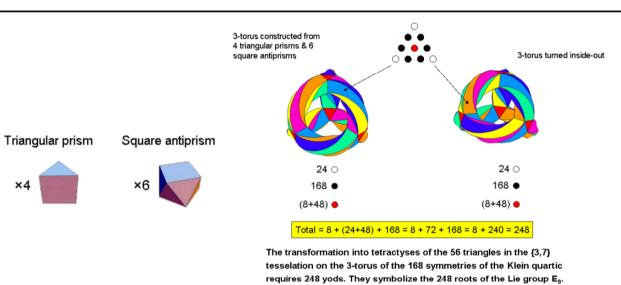


Tetrahedron Octahedron Cube Icosahedron Dodecahedron Construction of the faces & interior of the cube from red, green & blue triangles

496 geometrical elements other than vertices on average surround the axes of the five Platonic solids, 248 in each half.

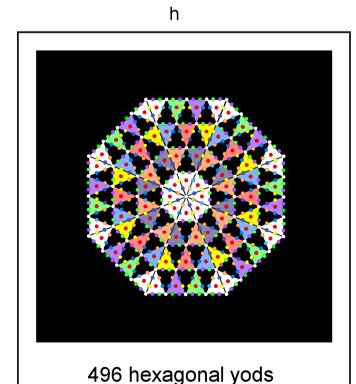


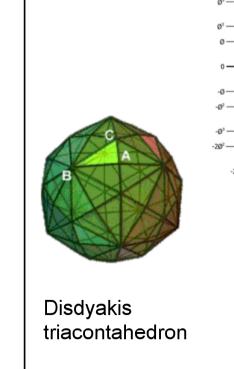


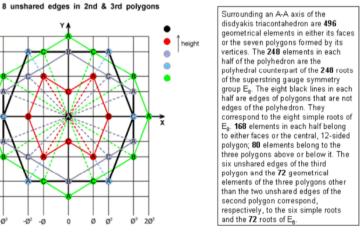
Triangular Square Total antiprism prism 4×6 = 24 Number of vertices 24 4×9 = **36** Number of sides 6×8 = **48** 84 6×8 = **48** Number of triangles 4×2 = 8 Number of geometrical elements 2×36 = 72 2×48 = 96 Number of hexagonal vods on sides 8 + **72 = 80** 48 + 96 = 144224 Number of hexagonal yods Number of yods on sides 24 + **72** = 96 8 + 96 = 104 **48** + 96 = 144 Number of yods

Yod composition of the 3-torus

constructed from tetractyses







	Vertices	Internal edges	Unshared edges	Internal triangles	Subtotal	External edges	External triangles	Total	
\otimes	8	8	0	8	24	-	-	24	٦
	10	10	2	10	32	-	-	32 144	
$\langle \rangle$	6	6	6	6	24	84 -	- 60	24	
Subtotal	24	24	8	24	80	84	60	224	
AD	6	6	0	6	18	6	0	24	J
	6	6	0	6	18	6	0	24	\setminus
\bigotimes	6	6	6	6	24	-	-	24	
	10	10	2	10	32	- 84	- 60	24 144	
\otimes	8	8	0	8	24	-	-	24	
Subtotal	24	24	8	24	80	84	60	224	レノ

