## Further Explorations

These modules can create elevations of many polyhedrons. The left column, "Polyhedron Name", shows the outline of the shape's edges created by A-unit modules. The following three middle columns gives details of the faces of the polyhedron from column 1. If the polyhedron only contains one type of polygonal face, the numbers are given in "\# Faces (1)". If the polyhedron contains two types of polygonal faces, the numbers are given in "\# Faces (1)" and "\# Faces (2)", etc.

The Icosidodecahedron, Rhombicosidodecahedron, and Rhombicuboctahedron were included in the Art Exhibitions in Bridges 2022, Joint Math Meeting 2023, and Bridges 2023 (in order). Links to the pages for these sculptures are References [2], [3], and [4] in my paper.

Table 1: Polyhedron names with the number of A-unit and B-unit modules needed.

| Polyhedron Name (A-unit) | \# Faces (1) | \# Faces (2) | \# Faces (3) | \# A-Units | \# B-Units |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Tetrahedron | 4 triangles |  |  | 6 | 12 |
| Octahedron | 8 triangles |  |  | 12 | 24 |
| Cube | 6 squares |  |  | 12 | 24 |
| Icosahedron | 20 triangles |  |  | 30 | 60 |
| Dodecahedron | 12 pentagons |  |  | 30 | 60 |
| Truncated Tetrahedron | 4 triangles | 4 hexagons |  | 18 | 36 |
| Cuboctahedron | 8 triangles | 6 squares |  | 24 | 48 |
| Truncated Cube | 8 triangles | 6 octagons |  | 36 | 72 |
| Truncated Octahedron | 6 squares | 8 hexagons |  | 36 | 72 |
| Rhombicuboctahedron | 8 triangles | 18 squares |  | 48 | 96 |
| Truncated Cuboctahedron | 12 squares | 8 hexagons | 6 octagons | 72 | 144 |
| Snub Cube | 6 squares | 32 triangles |  | 60 | 120 |
| Icosidodecahedron | 20 triangles | 12 pentagons |  | 60 | 120 |
| Truncated Dodecahedron | 20 triangles | 12 decagons |  | 90 | 180 |
| Truncated Icosahedron | 12 pentagons | 20 hexagons |  | 90 | 180 |
| Rhombicosidodecahedron | 20 triangles | 30 squares | 12 pentagons | 120 | 240 |
| Truncated Icosidodecahedron | 30 squares | 20 hexagons | 12 decagons | 180 | 360 |
| Snub Dodecahedron | 80 triangles | 12 pentagons |  | 150 | 300 |

