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| ***Polygons and Polyhedra*** |
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| ***Polygons*** |  |  |
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| **Name** | **Alternate names** | **Sides** | **Internal Angles(Regular Polygons Only)** |
| Henagon | Monogon | 1 |   |
| Digon |   | 2 |   |
| Triangle | Trigon | 3 | 60° / Total 180° |
| Quadrilateral | Tetragon | 4 | 90° / Total 360°  |
| Pentagon |   | 5 | 108° |
| Hexagon |   | 6 | 120° |
| Heptagon | Septagon | 7 | 128.571° |
| Octagon |   | 8 | 135° |
| Enneagon | Nonagon | 9 | 140° |
| Decagon |   | 10 | 144° |
| Hendecagon | Undecagon | 11 | 147.273° |
| Dodecagon |   | 12 | 150° |
| Tridecagon | Triskaidecagon | 13 | 152.308° |
| Tetradecagon | Tetrakaidecagon | 14 | 154.286° |
| Pentadecagon | QuindecagonPentakaidecagon | 15 | 156° |
| Hexadecagon | Hexakaidecagon | 16 | 157.5° |
| Heptadecagon | Heptakaidecagon | 17 | 158.824° |
| Octadecagon | Octakaidecagon | 18 | 160° |
| Enneadecagon | EnneakaidecagonNonadecagon | 19 | 161.053° |
| Icosagon |   | 20 | 162° |
| Icosihenagon |   | 21 | 162.857° |
| Triacontagon |   | 30 | 168° |
| Tetracontagon |   | 40 | 171° |
| Pentacontagon |   | 50 | 172.8° |
| Hexacontagon |   | 60 | 174° |
| Heptacontagon |   | 70 | 174.857° |
| Octacontagon |   | 80 | 175.5° |
| Enneacontagon |   | 90 | 176° |
| Hectagon | Hectogon | 100 | 176.4° |
| Chiliagon |   | 1,000 | 179.64° |
| Myriagon |   | 10,000 | 179.964° |
| Decemyriagon |   | 100,000 | 179.996° |
| Hecatommyriagon | HekatommyriagonMegagon | 1,000,000 | ~180° |
| Googolgon |   | 10100 | ~180° |
| n-gon |   | n | (n-2) x 180° / n |

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| ***Polyhedra*** |  |  |
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| **Name** | **Faces** |
| Tetrahedron | 4 |
| Pentahedron | 5 |
| Hexahedron | 6 |
| Heptahedron | 7 |
| Octahedron | 8 |
| Nonahedron | 9 |
| Decahedron | 10 |
| Undecahedron | 11 |
| Dodecahedron | 12 |
| Tetradecahedron | 14 |
| Icosahedron | 20 |
| Icositetrahedron | 24 |
| Triacontahedron | 30 |
| Icosidodecahedron | 32 |
| Hexecontahedron | 60 |
| Enneacontahedron | 90 |

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