

12 12

<u>13</u> 13

TWELVE-SIDED POLYGON

EACH ANGLE EQUALS 150°

THIRTEEN-SIDED POLYGON

EACH ANGLE EQUALS 152.31°

FOURTEEN-SIDED POLYGON

EACH ANGLE EQUALS 154.29°

FIFTEEN-SIDED POLYGON

EACH ANGLE EQUALS 156°

SIXTEEN-SIDED POLYGON

EACH ANGLE EQUALS 157.5°

SEVENTEEN-SIDED POLYGON

EACH ANGLE EQUALS 158.82°

EIGHTEEN-SIDED POLYGON

EACH ANGLE EQUALS 160°

NINETEEN-SIDED POLYGON

EACH ANGLE EQUALS 161.05°

18 18

**(19)** 19

14 14

15 15

THE SUM OF THE INTERIOR ANGLES EQUALS 1800°

THE SUM OF THE INTERIOR ANGLES EQUALS 1980°

THE SUM OF THE INTERIOR ANGLES EQUALS 2160°

THE SUM OF THE INTERIOR ANGLES EQUALS 2340°

THE SUM OF THE INTERIOR ANGLES EQUALS 2520°

THE SUM OF THE INTERIOR ANGLES EQUALS 2700°

THE SUM OF THE INTERIOR ANGLES EQUALS 2880°

THE SUM OF THE INTERIOR ANGLES EQUALS 3040°

DODECAGON

REGULAR

REGULAR

REGULAR

REGULAR

REGULAR

REGULAR

REGULAR

REGULAR

**ENNEADECAGON** 

OCTADECAGON

**HEPTADECAGON** 

OCTADECAGON

ENNEADECAGON

HEXADECAGON

HEPTADECAGON (17)

TETRADECAGON

PENTADECAGON

HEXADECAGON

TRIDECAGON

TETRADECAGON

PENTADECAGON

DODECAGON

TRIDECAGON

20 20 ICOSAGON TWENTY-SIDED POLYGON REGULAR **ICOSAGON** THE SUM OF THE INTERIOR ANGLES EQUALS 3240° EACH ANGLE EQUALS 162° 10 COMMON POLYHEDRONS FACES **EDGES** T VERTICES CUBE CUBOID SPHERE **ELLIPSOID CYLINDER** 6 OR 1 2 OR 3 6 OR  $1 \square$ OR 2 12 口 127 0 1 0 🗇 87 0 1 87 CONE TRIANGULAR TRIANGULAR-SQUARE-HEXAGONAL PRISM BASED BASED **PRISM** 1 OR 2 **PYRAMID PYRAMID** 5 8 0 OR 1 4 9 🗇 18 5 (APEX) 60 12 60 8 47 5 1 PLEASE NOTE THAT THERE IS SOME DISAGREEMENT BETWEEN MATHEMATICIANS ON WHETHER TO ALLOW A FACE OR EDGE TO BE CURVED. SOURCES: HTTPS://EN.WIKIPEDIA.ORG/WIKI/LIST\_OF\_TWO-DIMENSIONAL\_GEOMETRIC\_SHAPES HTTPS://WWW.MATH-SALAMANDERS.COM/LIST-OF-GEOMETRIC-SHAPES.HTML#CURVED HTTP://MATHFORUM.ORG/LIBRARY/DRMATH/VIEW/64540.HTML **AAA STATE OF PLAY®**