



**Sphere**



**Cube**



**Cone**



**Hemisphere  
(half sphere)**



**Torus  
(donut)**



**Ellipsoid  
(stretched sphere)**



**Ovoid  
(egg shape)**



**Cylinder**



**Triangular Prism**



**Pyramid**



**Rectangular  
Prism / Cuboid**



**Frustum  
(cone with  
top cut off)**



**Oblique  
cylinder**



**Oblique  
cone**



**Pentagonal  
prism**



**Hexagonal  
prism**



**Octagonal  
prism**



**Triangular  
pyramid  
(Tetrahedron)**



**Square  
pyramid**



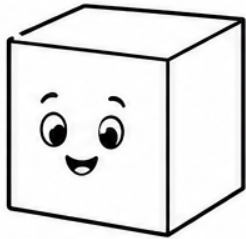
**Pentagonal  
pyramid**



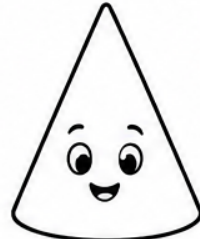
**Hexagonal  
pyramid**



**Sphere**



**Cube**



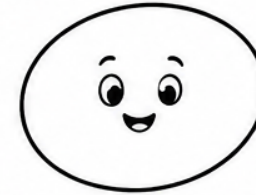
**Cone**



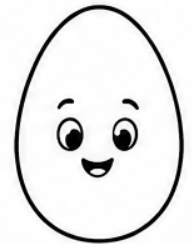
**Hemisphere  
(half sphere)**



**Torus  
(donut)**



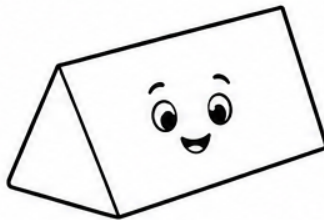
**Ellipsoid  
(stretched sphere)**



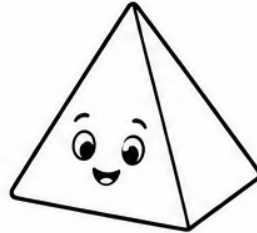
**Ovoid  
(egg shape)**



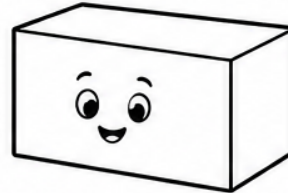
**Cylinder**



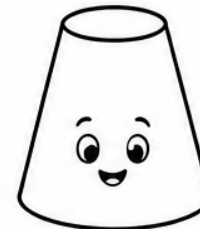
**Triangular Prism**



**Pyramid**



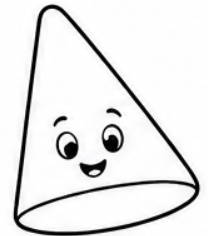
**Rectangular  
Prism / Cuboid**



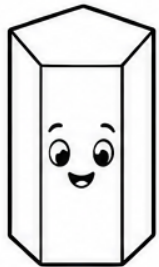
**Frustum  
(cone with  
top cut off)**



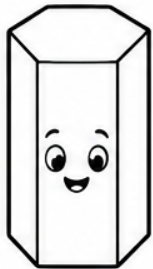
**Oblique  
cylinder**



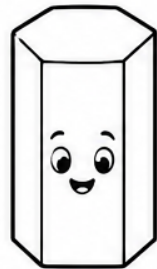
**Oblique  
cone**



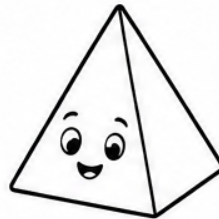
**Pentagonal  
prism**



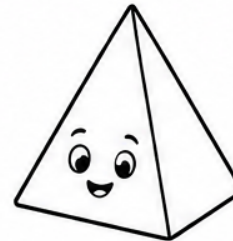
**Hexagonal  
prism**



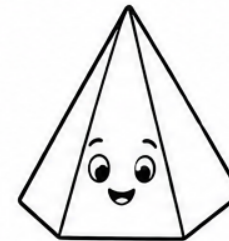
**Octagonal  
prism**



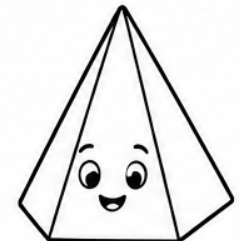
**Triangular  
pyramid  
(Tetrahedron)**



**Square  
pyramid**



**Pentagonal  
pyramid**



**Hexagonal  
pyramid**



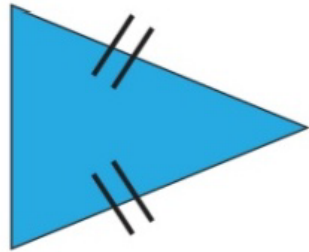
# Types of Triangles

## By Side

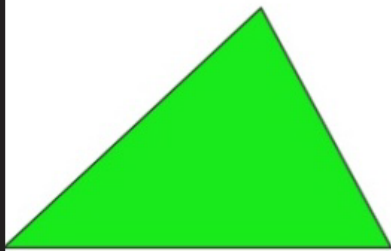
## By Angle



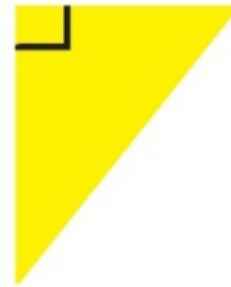
**Equilateral**  
3 equal sides  
all angles  $60^\circ$



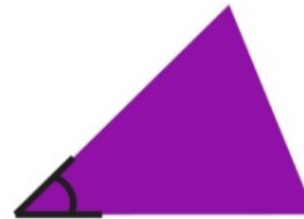
**Isosceles**  
2 equal sides  
2 equal angles



**Scalene**  
no equal sides  
no equal angles



**Right**  
1 angle =  $90^\circ$



**Acute**  
All angles less than  $90^\circ$



**Obtuse**  
1 angle greater than  $90^\circ$



# Types of Polygons



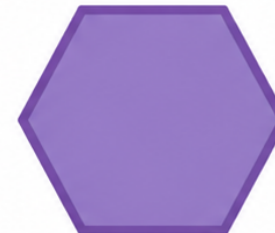
**Triangle**  
3 sides



**Square**  
4 sides



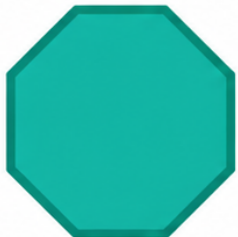
**Pentagon**  
5 sides



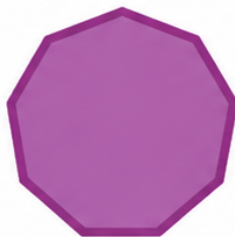
**Hexagon**  
6 sides



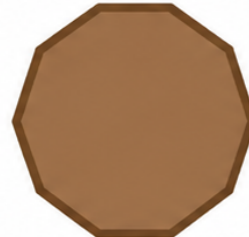
**Heptagon**  
7 sides



**Octagon**  
8 sides



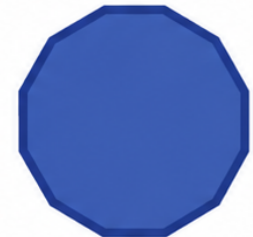
**Nonagon**  
9 sides



**Decagon**  
10 sides



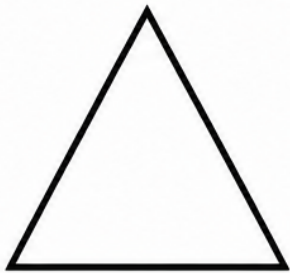
**Hendecagon**  
11 sides



**Dodecagon**  
12 sides



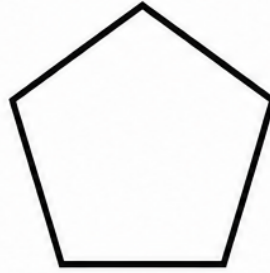
# Types of Polygons



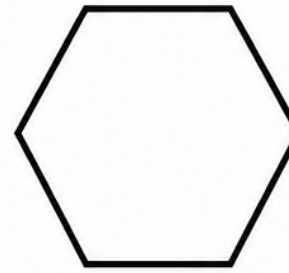
**Triangle**  
3 sides



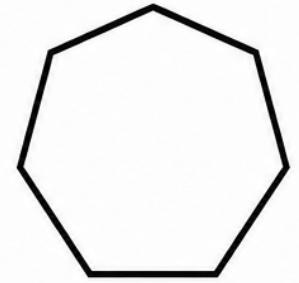
**Square**  
4 sides



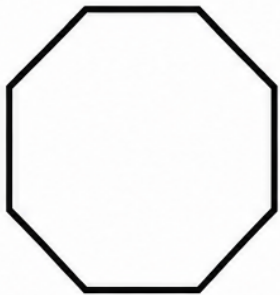
**Pentagon**  
5 sides



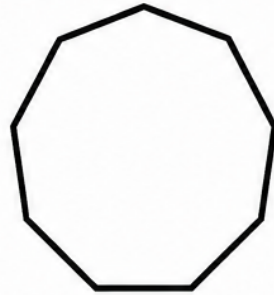
**Hexagon**  
6 sides



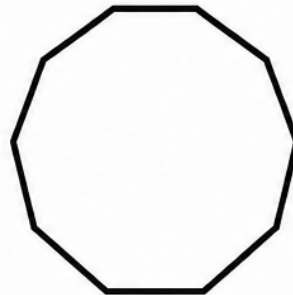
**Heptagon**  
7 sides



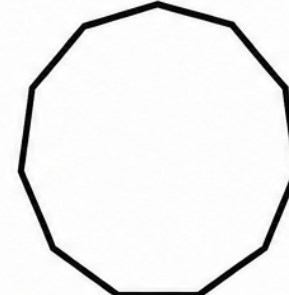
**Octagon**  
8 sides



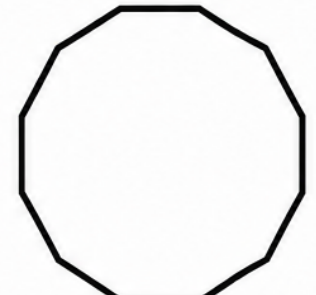
**Nonagon**  
9 sides



**Decagon**  
10 sides



**Hendecagon**  
11 sides



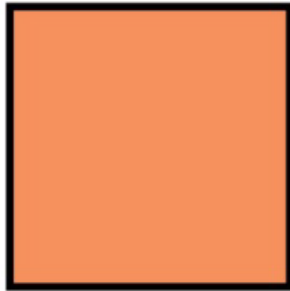
**Dodecagon**  
12 sides



# of Sides	Shape Name
3	Triangle / Trigon
4	Quadrilateral / Tetragon
5	Pentagon
6	Hexagon
7	Heptagon / Septagon
8	Octagon
9	Nonagon / Enneagon
10	Decagon
11	Hendecagon / Undecagon
12	Dodecagon
13	Tridecagon
14	Tetradecagon
15	Pentadecagon
16	Hexadecagon
17	Heptadecagon
18	Octadecagon
19	Enneadecagon
20	Icosagon
30	Triacontagon
40	Tetracontagon
50	Pentacontagon
100	Hectogon
1,000	Chiliagon
10,000	Myriagon
1,000,000	Megagon



# Types of Quadrilaterals



**Square**



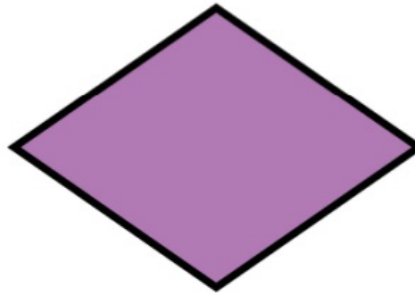
**Rectangle**



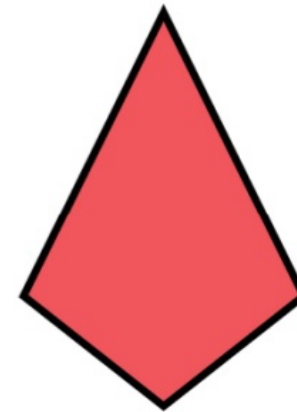
**Parallelogram**



**Trapezoid**



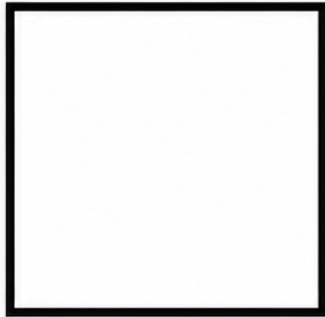
**Rhombus**



**Kite**



# Types of Quadrilaterals



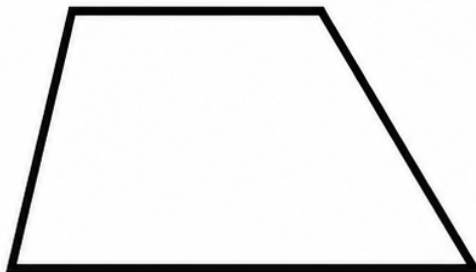
**Square**



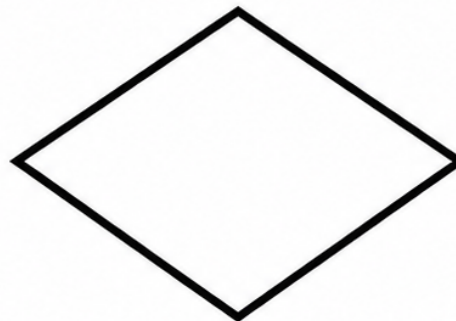
**Rectangle**



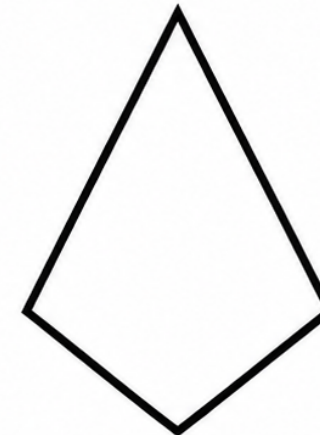
**Parallelogram**



**Trapezoid**



**Rhombus**



**Kite**



# 3D Shapes

**Sphere**



**Basketball**



**Globe**

**Cube**



**Dice**



**Rubik's Cube**

**Rectangular Prism**



**Cereal Box**



**Brick**

**Cylinder**



**Soup Can**



**Battery**

**Cone**



**Ice Cream Cone**



**Party Hat**

**Triangular Prism**



**Chocolate Bar**



**Tent**

**Pyramid**



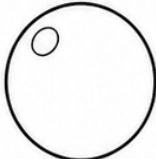


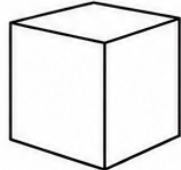

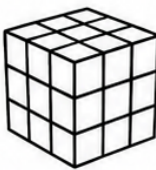
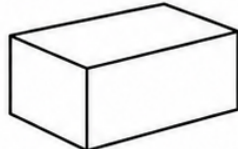

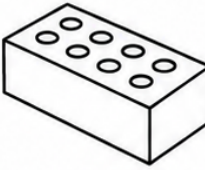
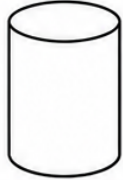





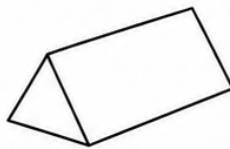
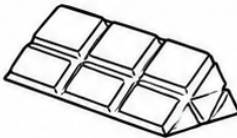
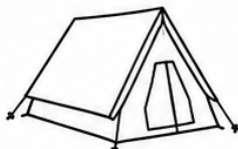
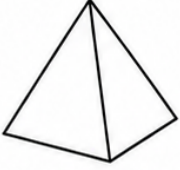
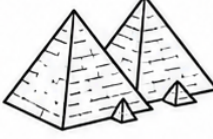

**Egyptian Pyramid**



**Pyramid Tea Bag**



# 3D Shapes

<b>Sphere</b>			<b>Basketball</b>		<b>Globe</b>
<b>Cube</b>			<b>Dice</b>		<b>Rubik's Cube</b>
<b>Rectangular Prism</b>			<b>Cereal Box</b>		<b>Brick</b>
<b>Cylinder</b>			<b>Soup Can</b>		<b>Battery</b>
<b>Cone</b>			<b>Ice Cream Cone</b>		<b>Party Hat</b>
<b>Triangular Prism</b>			<b>Chocolate Bar</b>		<b>Tent</b>
<b>Pyramid</b>			<b>Egyptian Pyramid</b>		<b>Pyramid Tea Bag</b>