Kindergarten: Mathematics
Unit 1: Attributes of Two-Dimensional and Three-Dimensional Shapes

## Attributes of Two-Dimensional Shapes



- 2-dimensional
- 4 sides
- 4 corners
- Closed shape
- Made up of straight lines
- Opposite sides are the same size

| Square $\square$ | - 2-dimensional <br> - 4 sides <br> - 4 corners <br> - Closed shape <br> - Made up of straight lines <br> - All sides are the same size |
| :---: | :---: |
| Triangle | - 2-dimensional <br> - 3 sides <br> - 3 corners <br> - Closed shape <br> - Made up of straight lines |
| Hexagon | - 2-dimensional <br> - 6 sides <br> - 6 corners <br> - Closed shape <br> - Made up of straight lines |
| Circle | - 2-dimensional <br> - No sides <br> - No corners <br> - Closed shape <br> - Curved line |

## Attributes of Three-Dimensional Shapes

| Cube | - 3-dimensional <br> - Slides <br> - Stacks <br> - 6 flat surfaces <br> - 8 corners <br> - 12 edges <br> - Flat surfaces are squares |
| :---: | :---: |
|  | - 3-dimensional <br> - Slides <br> - Rolls <br> - 1 flat surface <br> - 1 corner <br> - 0 edges <br> - Flat surface is a circle <br> - Curved surface |
| Cylinder | - 3-dimensional <br> - Slides <br> - Rolls <br> - Stacks <br> - 2 flat surfaces <br> - 0 corner <br> - 0 edges <br> - Flat surfaces are circles <br> - Curved surface |


| Sphere | - 3-dimensional <br> - Rolls <br> - 0 flat surfaces <br> - 0 corner <br> - 0 edges <br> - Curved surface |
| :---: | :---: |

