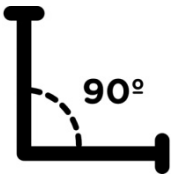
Math Module 7:
Geometry

Vocabulary:

- **Attribute**: any characteristic of a shape, including properties and other defining characteristics, e.g., straight sides, and non-defining characteristics, e.g., blue.
- **Diagonal**: e.g., the line drawn between opposite corners of a quadrilateral
- **Perimeter**: length of the boundary of a two-dimensional shape
- **Regular polygon**: polygon whose side lengths and interior angles are all equal
- **Tessellate**: to tile a plane without gaps or overlaps
- **Tetrominoes**: four squares arranged to form a shape so that every square shares at least one side with another square
- **Hexagon**: a flat figure enclosed by six straight sides and six angles
- **Octagon**: flat figure enclosed by eight straight sides and eight angles
- **Parallel**: lines that do not intersect, even when extended in both directions
- **Parallelogram**: a quadrilateral with both pairs of opposite sides parallel
- **Pentagon**: flat figure enclosed by five straight sides and five angles
- **Polygon**: a closed figure with 3 or more straight sides (triangle, quadrilateral, pentagon, hexagon)
- **Quadrilaterals**: a four-sided polygon (square, rhombus, rectangle, parallelogram, trapezoid)
- **Rectangle**: flat figure enclosed by four straight sides, having four right angles, opposite sides equal
- **Rhombus**: flat figure enclosed by four straight sides of the same length
- **Right angle**: a square corner
- **Square**: rectangle with all four sides of the same length
- **Tangram**: special set of puzzle pieces with 5 triangles and 2 quadrilaterals that compose a square
- **Trapezoid**: quadrilateral with at least one pair of parallel sides
- **Triangle**: flat figure enclosed by three straight sides and three angles

Visuals:

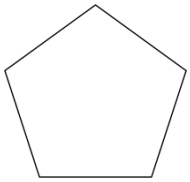
Tangrams



Right Angle

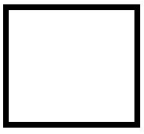
Rectangle

Trapezoid

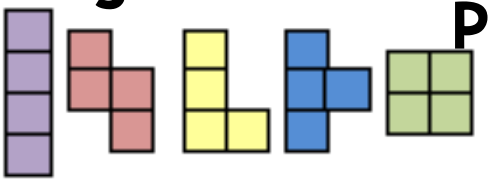


Pentagon

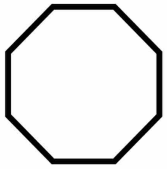
Triangle



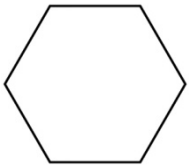
Square



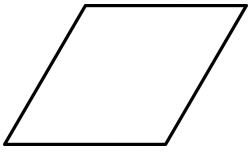
Tetrominoes



Octagon



Hexagon



Rhombus