



# Mathematics

## Fifth Grade

### 3rd Nine Weeks



This academic overview can be used to monitor and support your child's at-home learning progress

#### Unit 7: Geometry

##### Student Learning Targets

- I can classify and organize 2-D shapes into an hierarchy of categories based on their properties.
- I can define 2-D shapes based on their attributes.
- I can explain the difference between attributes and properties of 2-D shapes.

##### Questions to Check for Unit Understanding

- How can you identify and classify polygons?
- How can you classify triangles?
- How can you classify quadrilaterals?

##### Key Academic Vocabulary

- Attributes: the characteristics or properties of a shape or object.
- Polygon: A closed plane figure formed by three or more line segments.
- Quadrilaterals: A polygon with four sides and four angles.
- Triangles: A polygon with three sides and three angles.

#### Unit 8: Measurement

##### Student Learning Targets

- I can solve area, perimeter, and volume measures.
- I can convert measurement units within the same measurement system.
- I can convert measurement units between two different measurement systems.
- I can relate the volume of a solid figure with how many unit cubes can be packed inside.

##### Questions to Check for Unit Understanding

- How can you use formulas to find the area and perimeter of shapes?
- How can you find the volume of rectangular prisms using unit cubes?
- What tools and units would you use to measure length, capacity, and weight or mass?

##### Key Academic Vocabulary

- Area: The measure of unit squares needed to cover a surface.
- Perimeter: The distance around a closed plane figure.
- Volume: The measure of the space a solid figure occupies.

#### Unit 9: Coordinate Planes

##### Student Learning Targets

- I can describe a coordinate plane using the words origin, x-axis, y-axis and ordered pair.
- I can explain how to graph an ordered pair on a coordinate plane in quadrant 1.
- I can graph data on a coordinate plane when given a number pattern or table of data.

##### Questions to Check for Unit Understanding

- How can you represent ordered pairs on a coordinate plane to show relationships?
- How can you describe the x-axis and the y-axis on a coordinate plane?

##### Key Academic Vocabulary

- Coordinate grid: A grid formed by a horizontal line called the x-axis and a vertical line called the y-axis
- Origin: The point where the two axes of a coordinate plane intersect
- X-axis: The horizontal line on a coordinate grid
- Y-axis: The vertical line on a coordinate grid.
- Ordered pair: A pair of numbers used to locate a point on a grid. The first number tells the left-right position and the second number tells the up-down position