



Mathematics

Algebra I

1st Nine Weeks



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

Unit 1: Foundations of Functions

Student Learning Targets

- I can determine if a mathematical relationship can be represented by a function.
- I can determine the domain and range of a linear function.
- I can represent a function using function notation.

Questions to Check for Unit Understanding

- How do I determine if the relationship between two sets can be represented by a function?
- How do I determine the domain and range of a linear function?
- How do I use function notation to represent a function?

Key Academic Vocabulary

- Function: a relationship between “inputs” and “outputs” where each input is related to exactly one output
- Domain: the set of all the input values of a function
- Range: the set of all the output values of a function
- Linear: a relationship that, when drawn on a graph, is represented as a straight line

Unit 2: Solving Equations and Inequalities

Student Learning Targets

- I can solve linear equations in one variable, including when I need to use the distributive property.
- I can solve linear equations in one variable, including when variables are on both sides of the equation.
- I can solve a literal equation for a specific variable.

Questions to Check for Unit Understanding

- What does it mean to “solve” an equation?
- How can we use the distributive property to solve equalities and inequalities?

Key Academic Vocabulary

- Literal equation: an equation that is made up of mostly variables