

# Math 6+: Algebraic Concepts

## Linear Functions, Slope, and Rate of Change

### Rate of Change and Slope

**Students**                      **Learning Continuum Statements:**

**Students:**

**RIT 201-210:**

- Compares the rate of change between two proportional relationships represented in different ways

**Students:**

**RIT 211-220:**

- Calculates the rate of change from a graph representing a real-world linear relationship
- Calculates the rate of change from a table or description of a real-world linear relationship
- Compares the rate of change between two proportional relationships represented in different ways
- Determines the coordinates of the point representing the unit rate on a graph of a proportional relationship
- Identifies the unit rate from the graph of a proportional relationship
- Interprets the meaning of the slope of a graph in a real-world linear relationship

**Students:**

**RIT 221-230:**

- Calculates the rate of change from a graph representing a real-world linear relationship
- Calculates the rate of change from a table or description of a real-world linear relationship
- Compares the rate of change between two proportional relationships represented in different ways
- Determines the coordinates of the point representing the unit rate on a graph of a proportional relationship
- Identifies the unit rate from the graph of a proportional relationship
- Interprets the meaning of the slope of a graph in a real-world linear relationship

**Students:**

**RIT 231-240:**

- Calculates the rate of change from a graph representing a real-world linear relationship
- Calculates the rate of change from a table or description of a real-world linear relationship
- Compares the rate of change between two proportional relationships represented in different ways
- Determines the coordinates of the point representing the unit rate on a graph of a proportional relationship
- Identifies the unit rate from the graph of a proportional relationship
- Interprets the meaning of the slope of a graph in a real-world linear relationship