Relationships Between Variables

Today's Standard

6.EE.C9 - Use variables to represent two quantities in a real-world problem that change in relationship to one another; write an equation to express one quantity, thought of as the dependent variable, in terms of the other quantity, thought of as the independent variable. Analyze the relationship between the dependent and independent variables using graphs and tables, and relate these to the equation. For example, in a problem involving motion at constant speed, list and graph ordered pairs of distances and times, and write the equation d = 65t to represent the relationship between distance and time.

Cues	Notes
Variables	Variables represent quantities that can change.
Dependent Variable	The dependent variable depends on the independent variable.
Independent Variable	The independent variable is the one you change to see how it affects the dependent variable.
Equation	Equations express the relationship between the dependent and independent variables.
Graph	Graphs visually show the relationship between variables.
Table	Tables organize data to help analyze the relationship between variables.

Summary

Understanding the relationship between dependent and independent variables is crucial. Using equations, graphs, and tables helps visualize and analyze these relationships in real-world contexts.