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.

Real-World Applications for this Standard

Tracking distance over time in a running exercise; Calculating cost based on quantity in a shopping scenario; Predicting temperature changes over time in weather forecasting; Analyzing speed and fuel consumption in a car trip

Today I Learned

Today, we learned about how two things can change in relation to each other. For example, how far you go when you run and the time you spend running. We used letters to represent these things and made graphs to show how they change together.

Common Stumbling Blocks

Sometimes kids think they can switch the things that change without it making a difference. But this is not true. Another mistake is thinking all changes happen in a straight line, which isn't always the case.

Quiz Me

- What is a variable?
- What does dependent mean?
- What does independent mean?
- Can you switch dependent and independent variables?
- Do all changes happen in a straight line?

Help Me

We learned that some things change together, like how far you run and how long you run. We used letters to show these changes and made graphs to see them better. This helps us understand and solve real-world problems.