Graphing and Equations

Today's Standard

HSA.CED.A2 - Create equations in two or more variables to represent relationships between quantities; graph equations on coordinate axes with labels and scales.

Real-World Applications for this Standard

Designing a budget with multiple expenses and incomes; Predicting population growth over time; Modeling the relationship between distance, speed, and time; Analyzing business profit and loss; Understanding supply and demand in economics

Today I Learned

Today, we learned how to make equations with two or more variables and draw them on graphs. This helps us understand how different things are related.

Common Stumbling Blocks

Sometimes, kids think the scales on the graph must always be the same, but that's not true. Also, not all relationships are straight lines; they can be curves too.

Quiz Me

- What is an equation?
- What do we use a graph for?
- Do the scales on a graph always have to be the same?
- Can relationships between things be curved?
- What can we use equations for in real life?

Help Me

Equations help us understand how things like money, time, and distance are related. For example, we can use equations to plan a budget or see how fast we are traveling.