



Average Rate of Change

Today's Standard

HSF.IF.B6 - Calculate and interpret the average rate of change of a function (presented symbolically or as a table) over a specified interval. Estimate the rate of change from a graph.*

Real-World Applications for this Standard

Analyzing the speed of a car over time; Determining population growth rates; Calculating the rate of water flow in a river; Evaluating stock market trends; Measuring the rate of temperature change

Today I Learned

Today, we learned how to find the average rate of change of a function. This means we can see how things change over time, like how fast a car goes or how quickly a plant grows.

Common Stumbling Blocks

Sometimes, kids think that the average rate of change is the same as the rate of change at one exact moment, but it's not. They also might think it doesn't change, but it can be different over different times.

Quiz Me

- What is the average rate of change?
- Can you tell me how fast something changes over time?
- What do we use to find the average rate of change?
- Is the average rate of change always the same?
- Can you give me an example of something that changes over time?

Help Me

The average rate of change helps us understand how things change over time. For example, we can see how fast a car is going by looking at how far it travels in a certain time. This helps us understand and predict changes in the real world.