



## Measures of Center and Variability

### Today's Standard

6.SP.B5c - Giving quantitative measures of center (median and/or mean) and variability (interquartile range and/or mean absolute deviation), as well as describing any overall pattern and any striking deviations from the overall pattern with reference to the context in which the data were gathered.

### Real-World Applications for this Standard

Analyzing test scores to find the average grade; Comparing heights of students in a class; Evaluating weather data to determine typical temperature ranges; Studying the distribution of times for a race; Examining household income data to understand economic disparities

### Today I Learned

Today, we learned about different ways to find the middle and spread of numbers in a group. We used things called the mean and median to find the middle, and something called variability to see how spread out the numbers are.

### Common Stumbling Blocks

Sometimes, kids might think that the mean and median are always the same, but they can be different. Another tricky part is thinking that if you know the mean or median, you don't need to know how spread out the numbers are. But knowing the spread is important too!

### Quiz Me

- What is the mean?
- What is the median?
- Why do we need to know the spread of numbers?
- What does variability tell us?
- Can the mean and median be different?

### Help Me

To understand this better, think about how you can find the average of your test scores to see how you're doing overall. But also, knowing how much your scores go up and down can help you understand if you're

consistent or not.