



### Recognizing Statistical Questions

#### Today's Standard

6.SP.A1 - Recognize a statistical question as one that anticipates variability in the data related to the question and accounts for it in the answers. For example, 'How old am I?' is not a statistical question, but 'How old are the students in my school?' is a statistical question because one anticipates variability in students' ages.

#### Real-World Applications for this Standard

Surveying students' ages in a school; Analyzing weather patterns over a month; Comparing test scores across different classes; Examining daily temperatures in a city

#### Today I Learned

Today, we learned about questions that need many answers to understand something, like 'How old are the students in my school?' This kind of question helps us see differences in the answers.

#### Common Stumbling Blocks

Kids might think any number question is good for this. But only questions that expect different answers work. They also might not know we need lots of answers, not just one.

#### Quiz Me

- What is a statistical question?
- Why do we need many answers for a statistical question?
- Can 'How old am I?' be a statistical question?
- What is variability?
- Why is it important to understand differences in data?

#### Help Me

A statistical question is one that needs many answers to understand something. For example, asking 'How old are the students in my school?' helps us see the differences in ages. This is important because it helps us understand and use data in real-world situations.

