

Survey and Statistics

What is Your
Favorite Subject?

How Many
Different
Sports Do You
Play Well?

How Many
Times a Week
Do You Eat
Lunch?



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Survey and Statistics
Lesson 11
Discussing Bias and Sample Size

Objectives:

Students will discuss bias and sample size

Materials Needed:

Various graphs

Opening Activity:

Write the word “bias” on the board. Discuss what the students think it means. Come up with a class definition for the word bias pertaining to a graph.

Activity:

Show the graphs on previous pages in this book. The information was taken from a middle school in Phoenix Arizona. Would this represent the entire population of the United States? Why or why not?

How should the sample size be changed?

Closure:

If you were to poll your school to decide on a new mascot, how would you go about doing it? (Students may write or orally give their ideas).

