Chapter 9	Statistical Measures
Date:	9.1 Introduction to Statistics
Essential Question	How can you tell whether a question is a statistical question?

Vocab

Word	Definition
statistics	the science of collecting, organizing, analyzing, and interpreting data
statistical question	a question for which you do not expect to get a single answer
Example:	How old are people when they get married?
Non Example:	At what age does a person stop being a teenager?

1) **Which of the following are statistical questions?**

a. How many days are in March?

Not statistical. There is a set number of days in March.

b. How old is your dog?

Statistical. All dogs are not the same age.

c. How many cars are in the parking lot?

Statistical. It depends on what parking lot you are talking about.

d. In what year will you graduate from high school?

Statistical. People don't all graduate in the same year.

Complete number 1 on your notes page.

1) Which of the following are statistical questions? Explain how you know.

a. What is your favorite fruit?

Statistical. People prefer different fruits.

b. How many bricks are in this wall?

Not statistical. There is a set number of bricks in <u>this</u> wall. <u>This</u> wall means we're all looking at the same wall.

c. How many pickles are in a pickle jar?

Statistical. It depends on what pickle jar you are using.

Complete number 2 in your composition book.

You can display data from a statistical question.

2) You work at a pet shop and a customer wants to know, "What is the weight of a mouse?"

Is this a statistical question? Explain.

Yes, this is a statistical question because the mice in the pet store will be different sizes and weights.