Name: _____ Per _____

Unit 8: STATISTICAL QUESTIONS

A **statistical question** anticipates various outcomes or answers. A statistical question helps to gather data that can be used to measure central tendency or create a graph. Sometime we answer a statistical question with numerical data, such as "How many houses are in your neighborhood?" and sometimes we answer with categorical data, such as "What is your favorite color?" A question such as "How many pages are in this book?" is not a statistical question because it has just one answer—there is no variety.

Statistical questions:

- Must collect data on a specific topic, or answer a specific question
- The data must come from a common group of people, such as your math class or your soccer team
- The answers must show variety, or variation

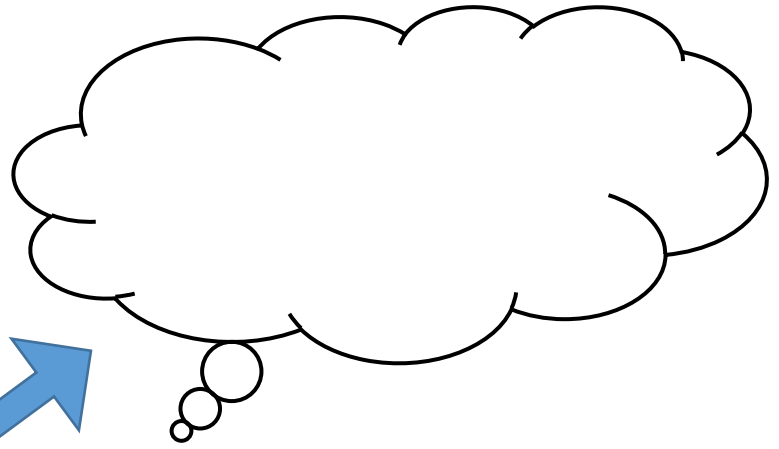Decide if each question below is an example of a statistical question. Draw a

😊 if yes,   and a ☹ if no:

1) How many siblings do students in your class have?   _____

2) How tall are students in the 6th grade?   _____

3) How tall are you?   _____

4) How many months are in a year?   _____

5) How many years have the ids in Blake Jazz Band   _____
   played their musical instruments?

6) How many math teachers do you have this year?   _____

What statistical question would you like to ask your classmates? Be sure your question is written so it allows for various outcomes…make it STATISTICAL!

Write your statistical question in the think bubble!

Here is our class statistical question: _____

_____?

Here are our responses:

Let's order this data string: