TEST NAME: **Statistics (SP.1-SP.3)**
TEST ID: **180987**
GRADE: **06**
SUBJECT: **Mathematics**
TEST CATEGORY: **School Assessment**

Student: _____

Class: _____

Date: _____

1. Which of the following questions is an example of a statistical question?

   A. How much did the first computer weigh?

   B. How much did a computer cost in 1990?

   C. What kind of computer do people prefer?

   D. In what year was the first computer invented?

2. Students in the 6th grade were asked the following question.

   In what year was George Washington elected president?

   Why is the question **not** a statistical question?

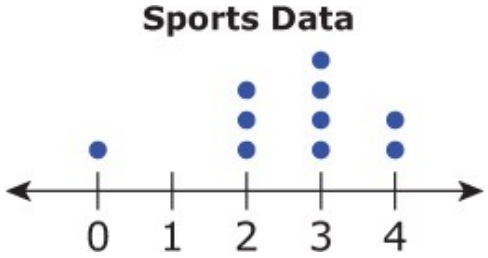
   A. It is about only one person.

   B. It has only one correct answer.

   C. It is not about a current event.

   D. It would be answered with an opinion.

3. Julie asked 10 of her friends how many sports they play. Then she created a data set of their answers. The distribution of the data set is represented by the dot plot below.



   Which statement is true?

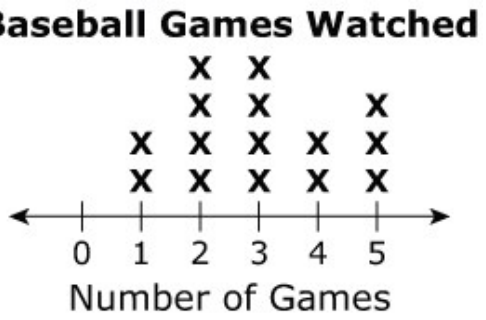
   A. Three of Julie's friends play 4 sports.

   B. Most of Julie's friends play 2 sports or less.

   C. The median number of sports played by Julie's friends is 1 less than the mean.

   D. The range of the number of sports played by Julie's friends is 1 more than the median.

4. Tyrone asked his friends how many baseball games they watched last season. He recorded the results in the line plot below.



Which statement is true?

A. Most of Tyrone's friends watched 4 games or more.

B. The range of the number of games Tyrone's friends watched is 5.

C. The mean number of games Tyrone's friends watched is equal to the median number of games Tyrone's friends watched.

D. The number of Tyrone's friends who watched 5 games is 5 more than the number of Tyrone's friends who watched 4 games.

5. Megan asked her friends how many pets they own. She created the data set below from their answers.

2, 3, 3, 4, 4, 4, 5, 5, 6

Which question could be answered by studying the distribution of the data set?

A. What is the median number of pets?

B. What is the mean number of dogs?

C. What are the ages of the pets?

D. What is the number of cats?

6. Lindsey asked her friends how many pets they have. She used their answers to create a data set. The range of the data set is 4. What does the range of the data set describe?

A. The mean of the data set is 4.

B. The largest number in the data set is 4.

C. The number that occurs the most in the data set is 4.

D. The largest difference between any two numbers in the data set is 4.

7. José recorded the data below about the number of colors in each of 6 flags.

2, 2, 2, 4, 6, 8

What number could **not** be used to represent the center of the data?

A. 2

B. 3

C. 4

D. 6

8. Which measure can be used to describe how the numbers in a dataset vary?

A. how many numbers are in the dataset

B. the distance between the largest and smallest numbers

C. the number or numbers that appears the most in the dataset

D. the number that would be in the middle if the numbers were put in order from least to greatest

9. The values below represent how many shirts that each of 5 people own.

3, 3, 7, 6, 6

Which measure describes how the values vary?

A. median

B. range

C. mode

D. mean