

Quiz A: 6.SP.A.1

1. For an assignment, Kelli is collecting data based on a statistical question. Which of these could she do?
 - A. Ask her best friend how many pairs of shoes she has.
 - B. Watch the front door of the school to see how many people come in during 15 minutes one day.
 - C. Ask her classmates to name their favorite animals.
 - D. Find out whether or not salad will be served in the cafeteria.

2. Which of these is **NOT** a statistical question?
 - A. How many times a day do you brush your teeth?
 - B. What is today's date?
 - C. Which subject do you like better, English or math?
 - D. What is your favorite restaurant?

3. Gwen asked a question and recorded the data as "12, 12, 12, 12." Could she have asked a statistical question? Why or why not?
 - A. No, because there is no variability in the data.
 - B. Yes, because there is no variability in the data.
 - C. No, because a statistical question anticipates but does not require variability.
 - D. Yes, because a statistical question anticipates but does not require variability.

4. Which of the following questions are statistical questions?

Select all that apply.

 - A. Do you enjoy reading science fiction novels?
 - B. How many days are there in October?
 - C. How many minutes a day do sixth-grade students spend doing homework?
 - D. What percent of people in each class watch action movies?

