

5th Stats 11/8

For the following sets of data, calculate the mean and standard deviation of the data.

- a. The data set below gives the prices (in dollars) of cordless phones at an electronics store.

35, 50, 60, 60, 75, 65, 80

- b. The data set below gives the numbers of home runs for the 10 batters who hit the most home runs during the 2005 Major League Baseball regular season.

51, 48, 47, 46, 45, 43, 41, 40, 40, 39

- c. The data set below gives the waiting times (in minutes) of several people at a department of motor vehicles service center.

11, 7, 14, 2, 8, 13, 3, 6, 10, 3, 8, 4, 8, 4, 7

- d. The data set below gives the calories in a 1-ounce serving of several breakfast cereals.

135, 115, 120, 110, 110, 100, 105, 110, 125



11/8

Identifying Populations and Samples

Name: _____

Use the scenario to identifying populations and samplings.

Answers

- 1) A beverage company wanted to see if people in the United States liked their new logo.
Which choice **best** represents a population?
- A. A selection of logo artists.
 - B. Every person in the United States.
 - C. A selection of shoppers from different states.
 - D. 3,800 children age 5 - 15
- 2) A musician wanted to see what people who bought his last album thought about the songs.
Which choice **best** represents a sample?
- A. Every person who bought the album.
 - B. A selection of people who didn't want to buy the album.
 - C. 250 girls who bought the album.
 - D. A selection of 3,294 people who bought the album.
- 3) A gaming website wanted to find out which console its visitors owned.
Which choice **best** represents a population?
- A. Visitors to the 3DS section.
 - B. All of the website visitors.
 - C. Visitors to the PS4 section.
 - D. Visitors who are on the website for more than 5 minutes.
- 4) Before a nation wide election, a polling place was trying to see who would win.
Which choice **best** represents a sample?
- A. A selection of voters over age 50.
 - B. A selection of male voters.
 - C. A selection of voters of different ages.
 - D. All voters.
- 5) A toy store owner tracking how much kids spend each month on toys.
Which choice **best** represents a population?
- A. All of the kids who buy toys.
 - B. 227 rich kids.
 - C. 228 boys age 7 - 15
 - D. 235 kids from age 10 to 15.
- 6) A mayor wanted to see if the people in his town thought he was doing a good job.
Which choice **best** represents a sample?
- A. 1,000 unemployed voters.
 - B. The mayor's family.
 - C. The residents of the town.
 - D. 242 voters.

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____