

1. A survey of 1500 American households found that 33% of the respondents own a computer. Is this value a parameter or a statistic?
 - a) Statistics
 - b) Parameter

2. In a recent television survey, participants were asked to answer “yes” or “no” to the question “Are you in favour of death penalty?”. Six thousand five hundred responded “yes” while 3700 responded “no”. There was a fifty-cent charge for the call. The sampling technique used produces a random sample.
 - a) True
 - b) False

3. The average salary of all automotive workers is \$42,000. Is this value a parameter or a statistic?
 - a) Parameter
 - b) Statistic

4. The estimation of the population average age of registered voters in the state of Ohio based on the sample average of 1,000 registered voters in that state and its corresponding margin of error is an example of:
 - a) A statistic
 - b) Deductive statistics
 - c) Descriptive statistics
 - d) Inferential statistics
 - e) A parameter

5. The following statement refers to which aspect of a statistical study: “A meteorologist constructs a graph showing the total precipitations in Phoenix, Arizona in each of the months of a given year”?
 - a) Description
 - b) Inference
 - c) Design

6. A study is conducted to a school of 10,000 high school students nationwide. Each week for a period of 13 weeks, participants must take an unannounced urine analysis to screen for illegal drug use. Identify the subjects of the study.
 - a) The urine analysis test
 - b) Researchers
 - c) 13 weeks

- d) High school students
- e) Illegal drugs detected by urine analysis

7. Each year advertisers spend billions of dollars purchasing commercial times on network sports television. A recent article listed the top 10 leading spenders (in millions of dollars) over a 6 month period:

Company A: \$72.0	Company F: \$26.9
Company B: \$63.1	Company G: \$25.0
Company C: \$54.7	Company H: \$23.9
Company D: \$54.3	Company I: \$20.0
Company E: \$29.0	

Which of the following graphs would not be appropriate for displaying this data?

- a) Pie chart
- b) Dot plot
- c) None of these should be used
- d) Histogram

Answers: 1.A, 2B, 3A, 4D, 5A, 6D, 7A