

- 1) Statistics is the science of conducting studies to \_\_\_\_\_. 1) \_\_\_\_\_  
A) collect, organize, summarize, analyze, and draw conclusions from data  
B) hypothesize, experiment, and form conclusions
- 2) A \_\_\_\_\_ consists of all subjects that are being studied. 2) \_\_\_\_\_  
A) variable                      B) population                      C) group                      D) sample
- 3) Which of the following correctly describes the relationship between a sample and a population? 3) \_\_\_\_\_  
A) A sample is a group of populations that are subject to observation.  
B) A population is a group of samples that may or may not be included in a study.  
C) A sample is a group of subjects selected from a population to be studied.
- 4) Determine which branch of statistics was used to make the following statement. In 2025, the world population is predicted to be 8 billion people. 4) \_\_\_\_\_  
A) inferential statistics                      B) descriptive statistics
- 5) Determine which branch of statistics was used to make the following statement. In an online survey of 500 Virginia Tech students between spring 2010 and spring 2011, 31% said that they had missed class because of alcohol consumption. 5) \_\_\_\_\_  
A) inferential statistics                      B) descriptive statistics
- 6) A(n) \_\_\_\_\_ variable assumes values that can be counted. 6) \_\_\_\_\_  
A) quantitative                      B) discrete                      C) continuous                      D) enumerable
- 7) The amount of time needed to run the Boston marathon is an example of which type of variable? 7) \_\_\_\_\_  
A) continuous                      B) temporal                      C) qualitative                      D) discrete
- 8) Determine which of the following describes quantitative data. 8) \_\_\_\_\_  
i). the name of a chemical sample  
ii). the mass of a chemical sample  
iii). the color of a chemical sample  
A) ii only                      B) i, ii, and iii                      C) i and ii only                      D) i only
- 9) Which one of the following data are continuous? 9) \_\_\_\_\_  
A) the number of times the file has been downloaded  
B) the time remaining for an MP3 music download  
C) the number of musicians performing in the MP3 file  
D) all of these represent continuous data

Answer Key

Testname: PRACTICE1

- 1) A
- 2) B
- 3) C
- 4) A
- 5) B
- 6) B
- 7) A
- 8) A
- 9) B