

Chapter 10 Practice Quiz

1. The most effective way to communicate data is through a:

- a. Table
- b. Chart
- c. List of raw data
- d. Graph

2. A good table:

- a. Has clear labels
- b. States the units in which data is measured
- c. States the source of data
- d. All of the choices are correct.

3. Brian gathers data from his classmates about the computers they own:

<u>Name</u>	<u>Operating System</u>	<u>Amount of Memory</u>	<u>Year Purchased</u>
Joe	Windows XP Pro	256 mb	2003
Max	Windows ME	128 mb	2000
Sue	Mac OS X	640 mb	2004
Jean	Windows 2000	256 mb	2002
Bill	Mac OS X	1 GB	2005

Which of the variables are *not* considered to be numerical?

- a. Brian's classmates
- b. The type of operating system
- c. The amount of memory
- d. The year purchased

4. Pie charts, bar graphs, and pictograms best graph:

- a. Numerical variables
- b. Categorical variables
- c. Averages
- d. Percentages
- e. None of the choices are correct.

5. The graph which best shows percentages as part of a whole is:

- a. Bar graph
- b. Pie chart
- c. Pictogram
- d. Line graph

6. The graph which best shows a trend over a period of time is:

- a. Bar graph
- b. Pie chart
- c. Pictogram
- d. Line graph

7. To avoid misleading, pictograms must:

- a. Use proportional height and width to avoid distortion
- b. Use proportional heights to avoid distortion
- c. Use proportional widths to avoid distortion
- d. None of the choices are correct.

8. A pattern that repeats itself at known regular intervals of time is:

- a. Seasonal adjustment
- b. Seasonal variation
- c. Deviation
- d. Trend

9. One way to dramatically mislead the intent/impression of a line graph is:

- a. Change the horizontal axis scale
- b. Change the vertical axis scale
- c. Change the timeframe shown
- d. All of the choices are correct.

10. One characteristic of a good graph is:

- a. Three-dimensional effects
- b. Labels, grids, and backgrounds that capture viewers' attentions
- c. Labels and legends that tell what variables are plotted
- d. All of the choices are correct.