Quiz Chapter 11

Your answers: shade in the cell that best completes the statement or answers the question

	1	2	3	4	5
a					
b					
c					
d					
e					

1. A stemplot is

✗ a. the same as a boxplot.

✗ b. a part of a small tree.

c. a picture of a distribution. ← ✓

✗ d. the same as a histogram.

✗ e. useful for describing categorical variables.

There are obvious no's, and so "c" must be correct

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2. To display the percent of likely voters who believe they are going to vote for a particular candidate according to a survey taken ==each week of an election year, starting in January and ending the last week of October==, a good choice of a graph would be a

✗ a. boxplot.

✗ b. histogram.

✓ c. line graph. ← *line graph is also called time series*

✗ d. pie chart.

✗ e. stemplot.

3. To display ==the number of pets== owned by each of the 37 students in a class, a good choice of a graph would be a

a. stemplot.

b. bar graph. ← *categorical variable*
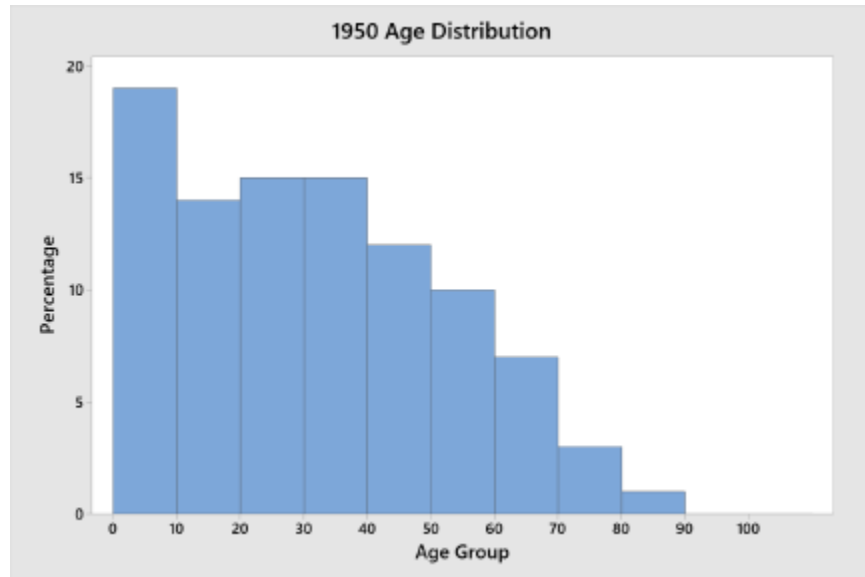
✗ c. pie chart.

✗ d. boxplot. } *sure no's*

✗ e. line graph.

quantitative and so the answer is "stemplot"

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Below is a histogram of the age distribution of Americans in 1950.

4. The spread of the distribution of ages can best be described as

    a. 0 to 100   ← —————— *this is the only reasonable answer*

    b. 0 to 19   ✗

    c. 2 to 19   ✗

    d. 40 to 50   ✗

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5. Approximately what percentage of Americans were at least 80 years old?

a. 1%

b. 10%

c. 80%

d. 99%

e. not enough information

<u>**Quiz Chapter 11**</u>

<u>**Answer Key**</u>

1. c

2. c

3. a

4. a

5. a