Question 1

True/False: You have 3 data points: 29%, 33%, 31%. It is appropriate to adjust the y-axis to start at 25% because the numbers are so close to each other. **False**

Question 2

Although most authors view pie charts as to-be-avoided at all costs, others do see them as effective. Select the one scenario where both pro- and anti-pie chart writers will agree that pie charts should not be used.

**When there are 5 or more categories that are to be compared.**

Question 3

According to your readings, a functionalist perspective of data visualization is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**When a visualization effectively represents the data so that is can be understood quickly and easily.**

Question 4

What's the one thing definitively wrong with this visualization:

**The y-axis doesn't start at zero.**

Question 5

This visualization has several issues with its design. Identify the only one of the following that is not an issue with this visualization.

**There is not much text.**

Question 6

According to your readings, if you have a lot of categories in time series data, what is the best approach for your visualization from the following options:

**Trellis Plot**

Question 7

True/False: It is more helpful to the reader to eliminate the axis altogether where appropriate and label individual data elements on the visualization itself.

**True**

Question 8

A 3D chart should be used only in the following circumstances:

**Only when you need to plot three-dimensional data.**

Question 9

Can you find the line with the average length in this set?

**LINE C**

Question 10

When doing a visualization for a small committee that is looking at gender (male/female) comparisons, which of the chart choices is not recommended to use:

Question 11

A scatterplot is useful for showing \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**Two different measures.**

Question 12

Pick the one time that you should not use a table.

**When you are presenting to a large, live meeting.**

Question 13

Humans have developed perceptual and cognitive capabilities that initially tend to favor \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_?

**SPEED**

Question 14

True/False: Data in a visualization must never be sorted based on the importance of the category of the data.

**FALSE**

Question 15

Suppose you have a bar graph that has values of 4 and 5. If you start the axis at 0 and increment by 1, then the visual increase between the bars showing 5 and 4 is 25%. See example A:

**100%**

Question 16

Which most closely describes the process of visual encoding?

**Translation**

Question 17

System 1 refers to which type of thinking and responding?

**Fast, intuitive, and emotional**

Question 18

If you had to figure out the sum of all line lengths, that would involve?

**Systems1 and 2**