

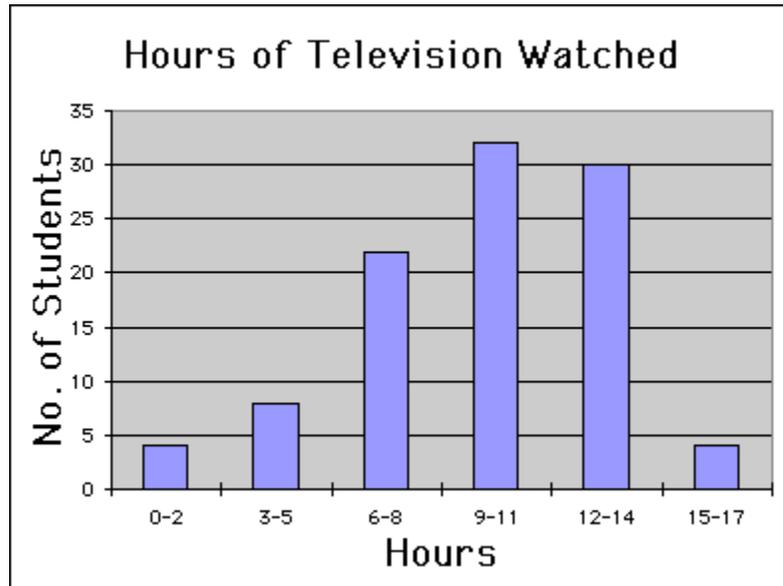
Directions: Select True or False.

1. T F Data such as religious affiliation would be considered qualitative.
  2. T F When the variable displayed on the horizontal axis is qualitative, a Pareto chart may be used.
  3. T F A Pareto chart arranges the data by frequency from smallest to largest.
  4. T F Sandy is constructing a frequency distribution of blood types. She has 20 pieces of data and 8 of the 20 are blood type O. The percent of those with blood type O is 30%.
  5. T F If the first two classes of a distribution are 5 – 9 and 10 – 14 , the class width will be 4.
  6. T F In the class 24 -34, the lower class limit is 24
  7. T F A histogram is a graph which displays the data using vertical bars of various heights to represent frequencies or relative frequencies.
  8. T F A pie chart uses horizontal or vertical bars to represent the frequencies in a distribution.
  9. T F In Excel, "Histogram" in the data analysis toolpak allows you to create a histogram from data that is arranged in a frequency table.
  10. T F An automobile dealer wants to construct a pie chart to represent the different types of vehicles sold at the dealership in October. He sold 90 vehicles and 20 of them were pickup trucks. The number of degrees in the slice representing pickup trucks is 80°.
  11. T F A graph that represents data which occurs over a specific period of time is called a time series graph.
  12. T F The number of classes used in a frequency distribution is between 5 and 10.
13. A random sample of 1005 adult Americans was asked, "How would you prefer to pay for new road construction?" Results of the survey are below.

Response	Frequency	Relative Frequency
New Tolls	412	
Increase Gas Taxes	181	
No New Roads	412	

Construct a relative frequency distribution for the data above.

The following graph shows the number of hours of TV watched by students in Mrs. Johnston's 5<sup>th</sup> grade class in a week.



14. Name the class that represents the number of hours of TV watched by the greatest number of students.

15. Which best describes the shape of the distribution above: Symmetric, Skewed Left, or Skewed Right? Explain why.

16. What percentage of students watched 12 to 14 hours of TV?