Section 9.2

Unemployment Rate In Exercises 9–12, use a spreadsheet and the line graph shown.

Historical Unemployment Rates (1991–2010)
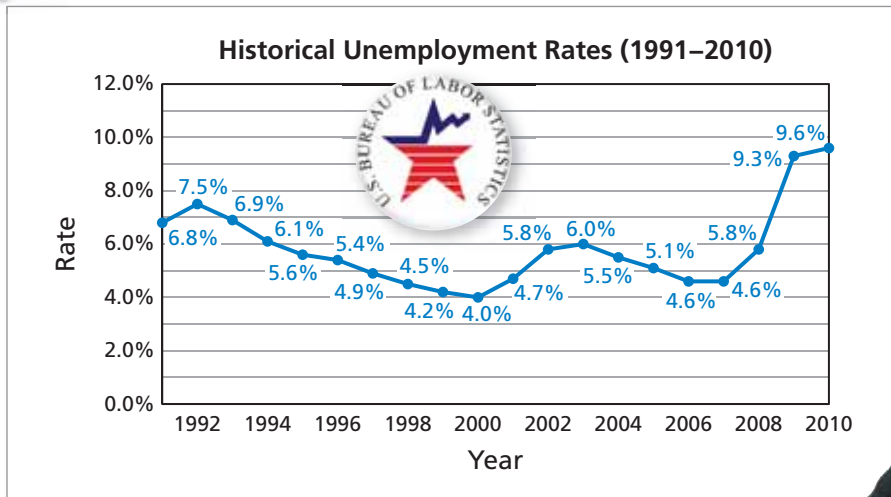
9. What are the mean, median, and mode of the data presented in the line graph?

10. Which measure of central tendency best describes the average of the data? Explain your reasoning.

11. Which two data values are outliers?

12. Do the outliers have a greater effect on the mean or the median? Explain your reasoning.

13. Box-and-Whisker Plot Use the box-and-whisker plot to analyze the unemployment rates.

Historical Unemployment Rates

Rate (percent)
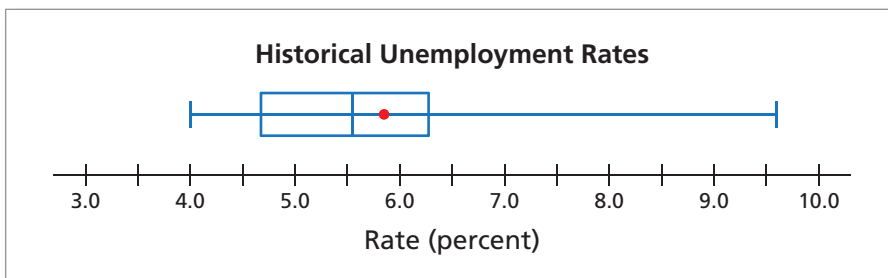
14. Histogram Explain whether the following statement is supported by the histogram: "The unemployment rate during most years is between 4.0% and 7.0%."

Historical Unemployment Rates

Rate (percent)