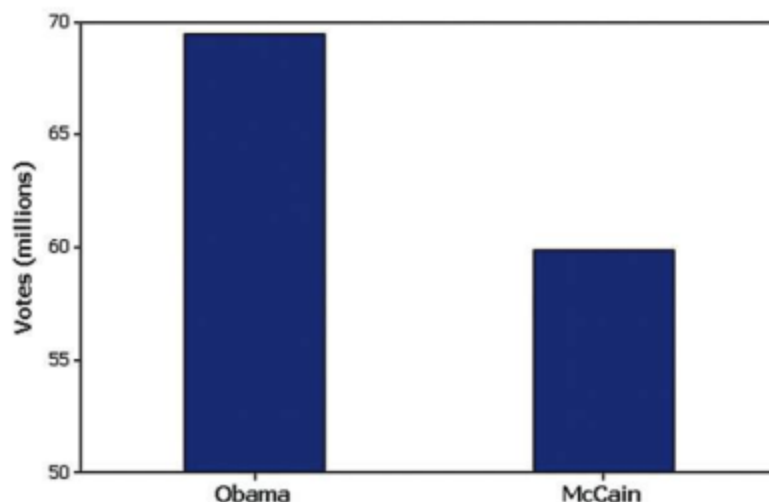**Frequency Polygon.**   *In Exercises 19 and 20, construct the frequency polygon.*

19. Earthquake Magnitudes Use the frequency distribution from Exercise 23 in Section 2-2 to construct a frequency polygon. Applying a loose interpretation of the requirements for a normal distribution, do the magnitudes appear to be normally distributed? Why or why not?

20. Earthquake Depths Use the frequency distribution from Exercise 24 in Section 2-2 to construct a frequency polygon. Applying a strict interpretation of the requirements for a normal distribution, do the depths appear to be normally distributed? Why or why not?

Deceptive Graphs.   *In Exercises 21–24, identify the characteristic that causes the graph to be deceptive.*

21. Election Results The accompanying graph depicts the numbers of votes (in millions) in the 2008 U.S. presidential election.

22. Subway Fare In 1986, the New York City subway fare cost $1, and as of this writing, it now costs $2, so the price doubled. In the accompanying graph, the $2 bill is twice as long and twice as tall as the $1 bill.

1986 Subway Fare   Current Subway Fare

23. Oil Consumption China currently consumes 7.6 million barrels of oil per day, compared to the United States oil consumption of 20.7 million barrels of oil per day. In the accompanying illustration, the larger barrel is about three times as wide and three times as tall as the smaller barrel.

China   United States