4. How is a Pareto chart different from a standard vertical bar graph?
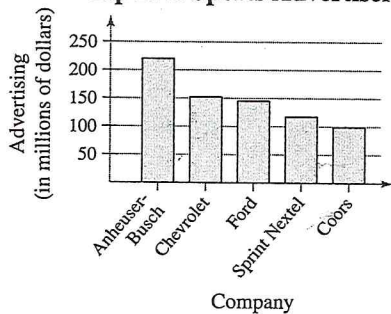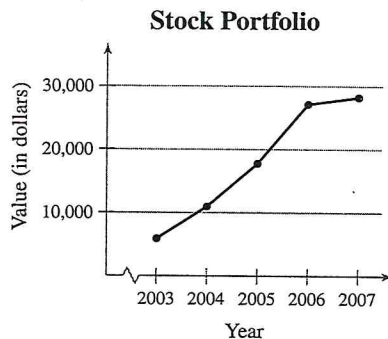
■ Using and Interpreting Concepts

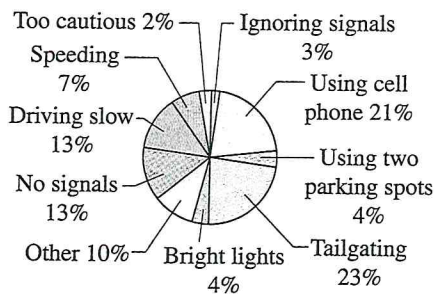**Graphical Analysis** *In Exercises 13–16, what can you conclude from the graph?*

13.

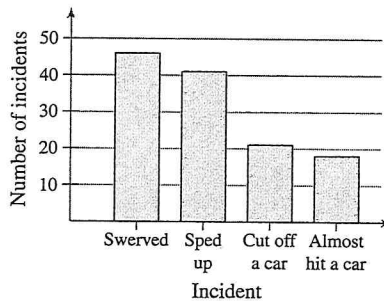Top Five Sports Advertisers

(Source: Nielsen Media Research)

14.

Stock Portfolio

15.

How Other Drivers Irk Us

(Adapted from Reuters/Zogby)

16.



Driving and Cell Phone Use

(Adapted from USA TODAY)

24. NASA Budget Use a pie chart to display the data. The data represent the 2007 NASA budget (in millions of dollars) divided among three categories. *(Source: NASA)*

Science, aeronautics, and exploration	10,651
Exploration capabilities	6108
Inspector General	34

26. UV Index Use a Pareto chart to display the data. The data represent the ultraviolet index for five cities at noon on a recent date. *(Source: National Oceanic and Atmospheric Administration)*
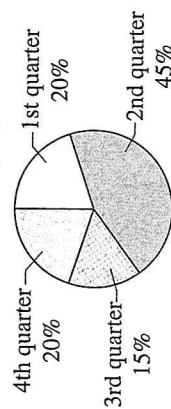
Atlanta, GA	Boise, ID	Concord, NH	Denver, CO	Miami, FL
9	7	8	7	10

A Misleading Graph? *In Exercises 33 and 34,*

(a) explain why the graph is misleading.

(b) redraw the graph so that it is not misleading.

33.

Sales for Company A

34.

Sales for Company B

1st quarter	2nd quarter	3rd quarter	4th quarter
20%	15%	45%	20%