

**1.28 Swiss doctors.** A study in Switzerland examined the number of caesarean sections (surgical deliveries of babies) performed in a year by doctors. Here are the data for 15 male doctors:

27 50 33 25 86 25 85 31 37 44 20 36 59 34 28

**Stem and Leaf**

- Make a stemplot of the data. Note the two high outliers.
  - Find the mean and median number of operations. How do the outliers explain the difference between your two results?
  - Find the mean and median number of operations without the two outliers. How does comparing your results in (b) and (c) illustrate the resistance of the median and the lack of resistance of the mean?
- 1.29 The richest 1%.** The distribution of individual incomes in the United States is strongly skewed to the right. In 1997, the mean and median incomes of the top 1% of Americans were \$330,000 and \$675,000. Which of these numbers is the mean and which is the median? Explain your reasoning.

- 1.30** In Exercise 1.27 you found the mean of the SSHA scores of 18 first-year college students. Now find the median of these scores. Is the median smaller or larger than the mean? Explain why this is so.