

Planet	Number of Moons
Mercury	0
Venus	0
Earth	1
Mars	2
Jupiter	16
Saturn	30
Uranus	20
Neptune	8
Pluto	1



Display 1.32

2. Find the mode of the eye colors of the people in your class. Does it make sense to ask for the mean or the median of these data? Why or why not?
3. A class of 15 students recorded the total number of hours they watched television during a six-week period. Here is the data they collected:  
78, 82, 95, 85, 73, 99, 95, 89, 90, 86, 23, 92, 80, 84, 85
  - (a) What are the mean and the median of these data? What does each number represent?
  - (b) Make a stem-and-leaf plot of these data. Put a circle around the digit that represents the median.
  - (c) The class learned that the student who watched TV for only 23 hours during the six week period had a broken television for part of that time. They decided to omit that number and analyze the data again. How much did this change the class mean? How much did it change the class median? Do you think it was a good idea for the students to omit that piece of data? Why or why not?
4. This problem refers to Display 1.25 which lists the number of women in each state legislature.
  - (a) Find the mean, median, and mode of this set of data.
  - (b) If New Hampshire were not included in the list, how would the mean, median, and mode be affected? Calculate these three measures of center again—without New Hampshire—and discuss the changes you discover.