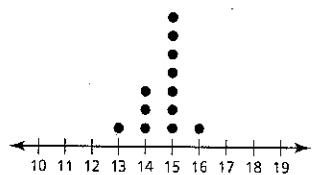


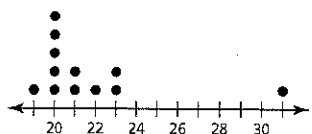
Answers

9.1 Practice A

1. *Sample answer:* 25; no
 2. 5; yes
 3. *Sample answer:* 2022; no
 4. not statistical; There is only one answer.
 5. not statistical; There is only one answer.
 6. statistical; There are many different answers.
7. Most of the data cluster around 15. There is a peak at 15 and no gap.



8. Most of the data cluster around 20. There is a peak at 20 and a gap between 23 and 31.



9. a. 16
- b. *Sample answer:* The data could be collected from the Internet; miles per hour
- c. What is the speed of your fastest pitch in baseball? Most pitches are between 75 and 95 miles per hour.

9.2 Practice A

1. 6
2. 12
3. 84
4. 58
5. 3 movies
6. 2.2 students
7. 55 members
8. 14 problems
9. 64 lb
10. 203 text messages
11. a. 8.7 bikes
b. 1 and 2 are outliers; The outliers cause the mean to decrease. The daily mean without the two outliers is 10.5 bikes, which is more representative of the data.
12. 115 min

9.3 Practice A

1. median: 6; mode: none
2. median: 7; mode: 2
3. median: 12; mode: 12
4. median: 18.5; mode: 22
5. median: 58.5; mode: none
6. median: 50; mode: none
7. median: 93.5; mode: 89
8. median: 57.5; mode: 60
9. The ordered data set should include two values of 24. The correct ordered data set has a median of 25.5 and a mode of 24.
10. lab and pit bull
11. no mode
12. 14; 8; 6; *Sample answer:* Because the data is spread out, the mean best represents the data.
13. 52.75; 61.5; 66; *Sample answer:* Because the mode is the same as three of the data values, the mode best represents the data.