

**CH 11 REVIEW**

Indicate the answer choice that best completes the statement or answers the question.

**Use the following set of data.**

**2, 3, 3, 4, 5, 7, 8, 8, 8, 10, 10, and 12**

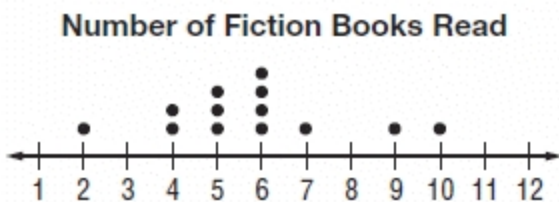
- \_\_\_ 1. What are the third and first quartiles of the data?  
 a. 12, 2    b. 8, 4.5  
 c. 10, 3    d. 9, 3.5
  
- \_\_\_ 2. What is the interquartile range of the data?  
 a. 10    b. 7.5  
 c. 7    d. 5.5
  
- \_\_\_ 3. The table shows the number of movies owned by a group of surveyed people.

Number of Movies					
11	31	17	22	18	25
25	10	15	12	30	12
29	25	21	32	30	25

What is the median of movies owned?

- a. 21.5    b. 22
- c. 23.5    d. 25
  
- \_\_\_ 4. What is the mean absolute deviation of the data: 10, 17, 20, 12, and 16? Round to the nearest whole number.  
 a. 15    b. 5  
 c. 3    d. 2

**Use the dot plot below.**



- \_\_\_ 5. What is the mean of the data? Round to the nearest tenth.  
 a. 5.7    b. 5.2  
 c. 5    d. 4.5

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\_\_\_ 6. What is the median of the data?

- a. 10    b. 9
- c. 6     d. 3

\_\_\_ 7. What is the mode of the data?

- a. 3     b. 6
- c. 8     d. 10

**Which measure of center best represents each set of data?**

\_\_\_ 8. goals scored during hockey season: 7, 6, 9, 3, 12, 7, 2, 10, 7, 8

- a. mean    b. median
- c. mode    d. range

\_\_\_ 9. Find the mean absolute deviation of the data set 8, 8, 10, 15, 9, 20, 12, and 10. Round to the nearest hundredth if necessary.

- a. 0.52    b. 3.13
- c. 3.5     d. 11.5

\_\_\_ 10. The results of a survey about the number of contacts stored in cell phones is shown in the table.

Number of Contacts					
100	31	45	85	98	29
75	62	78	50	72	84
50	40	83	88	44	94

What is the first quartile of the data?

- a. 40     b. 44.5
- c. 45     d. 85

Name: \_\_\_\_\_ Class: \_\_\_\_\_ Date: \_\_\_\_\_

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### Answer Key

1. d
2. d
3. c
4. c
5. a
6. c
7. b
8. a
9. b
10. c