**Chapter 11 Review B** SCORE \_\_\_\_\_\_\_\_\_

**Write the letter for the correct answer in the blank at the right of each question.**

**For Exercises 1 and 2, use the following set of data: 5, 7, 7, 6, 4, 8, 17, 5, 7, 5, 6, and 5.**

**1.** Find the third and first quartiles of the data.

**A.** 7, 5 **B.** 6.5, 6 **C.** 17, 4 **D.** 8, 6

**2.** Find the interquartile range of the data.

**F.** 2 **H.** 12

**G.** 5 **I.** 17

**3.** The table shows the prices of sneakers in a store.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Price of Sneakers ($)** | | | | | |
| 40 | 37 | 25 | 35 | 29 | 43 |
| 34 | 26 | 39 | 43 | 51 | 47 |
| 35 | 27 | 45 | 28 | 50 | 43 |

What is the median price for the sneakers?

**A.** $25 **C.** $38

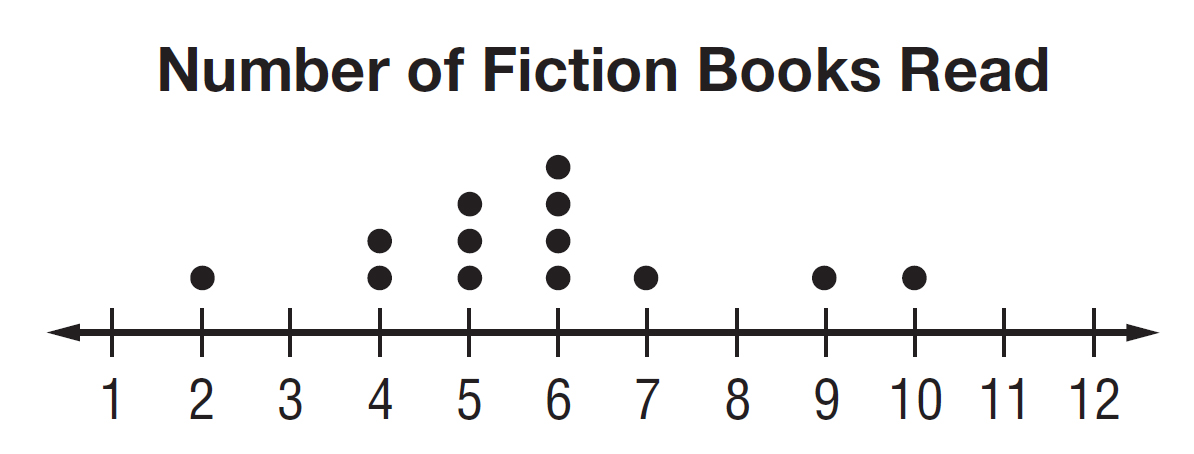
**B.** $29 **D.** $43

**4.** What is the mean absolute deviation of the data: 10, 20, 15, 17, and 13?

**F.** 15 **H.** 3

**G.** 10 **I.** 2.8

**For Exercises 5-7, use the dot plot below.**



**5.** What is the mean of the data? Round to the nearest tenth.

**A.** 13 **B.** 7.5 **C.** 5.8 **D.** 2.9

**6.** What is the mode of the data?

**F.** 10 **G.** 6 **H.** 5 **I.** 2

**7.** What is the median of the data?

**A.** 4 **B.** 5 **C.** 6 **D.** 7

**1.\_\_\_\_\_\_\_\_\_\_\_\_\_**

**2. \_\_\_\_\_\_\_\_\_\_\_\_\_**

**3. \_\_\_\_\_\_\_\_\_\_\_\_\_**

**4. \_\_\_\_\_\_\_\_\_\_\_\_\_**

**5. \_\_\_\_\_\_\_\_\_\_\_\_\_**

**6. \_\_\_\_\_\_\_\_\_\_\_\_\_**

**7. \_\_\_\_\_\_\_\_\_\_\_\_\_**

**Chapter 11 Review B** *(continued)* SCORE \_\_\_\_\_\_\_\_\_

**For Exercises 8-10, which measure of center best represents each set of data?**

**8.** runs scored during the baseball season: 8, 6, 9, 3, 12, 4, 2, 10, 7, 8

**F.** mean **H.** mode

**G.** median **I.** range

**9.** prices of earrings: $6, $12, $15, $12, $12, $20, $12, $13

**A.** mean **C.** mode

**B.** median **D.** range

**10.** number of telephones in the home: 3, 3, 5, 4, 3, 8, 3, 4, 3, 6, 2

**F.** mean **H.** mode

**G.** median **I.** range

**11.** Find the mean absolute deviation of the data set 8, 10, 15, 8, 12, 13, 12 and 14. Round to the nearest hundredth if necessary.

**A.** 1.7 **C.** 2.13

**B.** 2.05 **D.** 4.25

**12.** The table shows the results of a survey about the number of contacts stored in cell phone.

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

What is the third quartile of the data?

**F.** 67 **H.** 84

**G.** 83 **I.** 85

**13.** Laura mowed 8 lawns. She earned $12, $10, $15, $15, $15, $10, and $9 for seven lawns. How much did she earn the eighth time if the mean of the data is $12?

**A.** $9 **C.** $12

**B.** $10 **D.** $15

**8.\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**9. \_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**10. \_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**11. \_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**12. \_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**13. \_\_\_\_\_\_\_\_\_\_\_\_\_\_**