**11-1 Problem-Solving Investigation: Make a Table**

1. **MONEY** The list shows weekly allowances for a group of 13- and 14-year-olds. Organize the data in a table using intervals $2.01–$3.00, $3.01–$4.00, $4.01–$5.00, and so on. What is the most common interval of allowance amounts?

   | 2.50 | 3.00 | 3.75 | 4.25 | 4.25 |
   | 4.50 | 4.75 | 4.75 | 5.00 | 5.00 |
   | 5.00 | 5.00 | 5.50 | 5.50 | 5.75 |
   | 5.80 | 6.00 | 6.00 | 6.00 | 6.50 |
   | 6.75 | 7.00 | 8.50 | 10.00 | 10.00 |
   | 12.00 | 15.00 |

**11-2 Histograms**

Use the histogram at the right.

2. How many months have less than two days of rain? [ ]

3. How many months had between two and seven days of rain? [ ]
11-3 Circle Graphs

Use the circle graph at the right.

4. What percent of her time does Luisa spend studying?

5. How many degrees are in the section that represents sports?

11-4 Measures of Central Tendency and Range

6. Name the three most common measures of central tendency.

7. Which measure of central tendency best represents the data? Why? 9, 9, 20, 22, 25, 27

11-5 Measures of Variation

Complete.

8. Measures of variation describe the _______ of data.

9. The _______ of a set of data is the difference between the greatest and the least numbers in the set.

10. The _______ range is the difference between the upper and lower quartiles.
11-6 Box-and-Whisker Plots

11. Draw a box-and-whisker plot for the data. 1, 1, 1, 2, 3, 3, 4, 5, 5

11-7 Stem-and-Leaf Plots

FOOTBALL For Exercises 12–14, use the all-time interception leaders data shown at the right.

<p>| All-Time NFL Interception Leaders (through 2005) |</p>
<table>
<thead>
<tr>
<th>Stem</th>
<th>Leaf</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>7 7 7 7 7 8</td>
</tr>
<tr>
<td>6</td>
<td>2 2 3 5 8</td>
</tr>
<tr>
<td>7</td>
<td>1 9</td>
</tr>
<tr>
<td>8</td>
<td>1</td>
</tr>
</tbody>
</table>

12. What is the most interceptions by an NFL player through 2005?

13. How many NFL players have 57 interceptions through 2005?

14. What is the median number of interceptions among the leaders represented in the stem-and-leaf plot?

11-8 Select an Appropriate Display

Choose the letter that best matches the type of display to its use.

15. Line Graph a. shows the frequency of data that has been organized into equal intervals

16. Bar Graph b. shows the number of items in specific categories in the data using bars

17. Histogram c. shows change over a period of time

18. Line Plot d. shows how many times each number occurs in the data
ARE YOU READY FOR THE
CHAPTER TEST?

Check the one that applies. Suggestions to help you study are given with each item.

☐ I completed the review of all or most lessons without using my notes or asking for help.
  • You are probably ready for the Chapter Test.
  • You may want to take the Chapter 11 Practice Test on page 627 of your textbook as a final check.

☐ I used my Foldable or Study Notebook to complete the review of all or most lessons.
  • You should complete the Chapter 11 Study Guide and Review on pages 622–626 of your textbook.
  • If you are unsure of any concepts or skills, refer back to the specific lesson(s).
  • You may also want to take the Chapter 11 Practice Test on page 627.

☐ I asked for help from someone else to complete the review of all or most lessons.
  • You should review the examples and concepts in your Study Notebook and Chapter 11 Foldable.
  • Then complete the Chapter 11 Study Guide and Review on pages 622–626 of your textbook.
  • If you are unsure of any concepts or skills, refer back to the specific lesson(s).
  • You may also want to take the Chapter 11 Practice Test on page 627.

Visit glencoe.com to access your textbook, more examples, self-check quizzes, and practice tests to help you study the concepts in Chapter 11.

Student Signature

Parent/Guardian Signature

Teacher Signature