

**LESSON**  
**10.4****Practice A***For use with the lesson "Interpret Stem-and-Leaf Plots and Histograms"***List the data given by the stem-and-leaf plot.**

$$\begin{array}{r|l}
 1. & 0 \quad 4 \quad 5 \quad 7 \\
 & 1 \quad 0 \quad 2 \quad 5 \quad 5 \\
 & 2 \quad 1 \quad 9 \\
 & 3 \quad 2 \quad 4 \quad 6 \\
 & 4 \quad 8
 \end{array}$$

Key: 1 | 5 = 15

$$\begin{array}{r|l}
 2. & 1 \quad 0 \quad 1 \quad 1 \quad 2 \\
 & 2 \quad 3 \quad 5 \quad 7 \\
 & 3 \quad 2 \\
 & 4 \quad 8 \\
 & 5 \quad 2
 \end{array}$$

Key: 2 | 3 = 2.3

**Give two possible keys for the stem-and-leaf plot.**

$$\begin{array}{r|l}
 3. & 6 \quad 6 \quad 7 \quad 9 \\
 & 7 \quad 0 \quad 3 \quad 4 \quad 6 \\
 & 8 \quad 2 \quad 4 \\
 & 9 \quad 5 \quad 8 \\
 & 10 \quad 0
 \end{array}$$

$$\begin{array}{r|l}
 4. & 0 \quad 0 \quad 4 \quad 5 \quad 6 \quad 7 \quad 8 \\
 & 1 \quad 1 \quad 1 \quad 2 \quad 2 \quad 5 \\
 & 2 \quad 3 \quad 6 \quad 9 \\
 & 3 \quad 0 \quad 1 \quad 2 \quad 7 \\
 & 4 \quad 9 \quad 9
 \end{array}$$
**Make a stem-and-leaf plot of the data.**

5. 21, 36, 51, 16, 22, 18, 22,  
32, 47, 25, 48, 35, 33

6. 35, 26, 11, 7, 2, 34, 11, 25, 8,  
13, 26, 9, 12, 11

7. 84, 71, 62, 50, 52, 65, 87, 51,  
73, 80, 54, 64, 73, 59, 56

8. 82, 69, 73, 90, 77, 68, 91, 86, 84,  
75, 79, 89, 78

**Name the intervals you would use to create a histogram of the data.**

9. 1, 5, 11, 13, 20, 4, 15, 9, 12, 8, 4, 5, 7, 10

10. 53, 87, 98, 66, 69, 70, 75, 100, 88, 83, 77

11. 2.4, 5.5, 3.2, 4, 5.7, 2.9, 3.6, 4.8, 2,  
3.4, 5.2, 3

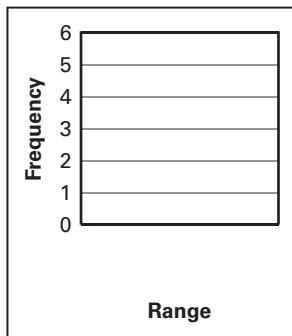
12. 112, 109, 124, 130, 126, 104, 115, 129, 117

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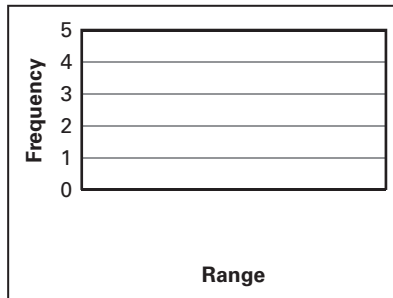
**Practice A** *continued*  
*For use with the lesson "Interpret Stem-and-Leaf Plots and Histograms"*

**Make a histogram of the data.**

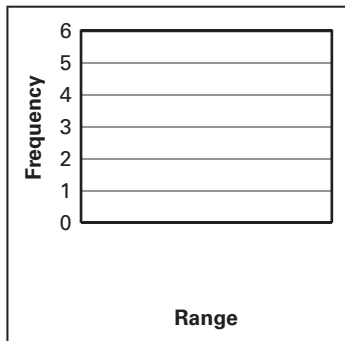
- 13.** 7, 12, 29, 15, 8, 2, 0, 17, 22, 25, 28, 8, 11, 10



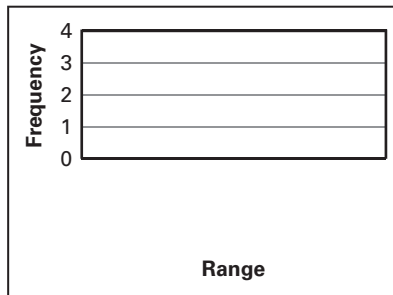
- 14.** 43, 52, 40, 58, 45, 58, 60, 51, 43, 47, 54, 41



- 15.** 2.4, 1.5, 4.1, 3, 5, 3.1, 4.5, 2.1, 2.6, 4.8, 3.7, 2.5



- 16.** 20, 16.4, 18.5, 16, 17.5, 19.4, 18, 19.2, 18.8



- 17. Snowfall** The number of inches of snow that fell on 14 towns in a 50-mile radius during a snowstorm are given below. Make a stem-and-leaf plot of the data.  
10, 15, 13, 15, 14, 5, 12, 9, 13, 10, 22, 4, 5, 9

- 18. Phone Numbers** A survey asked people how many phone numbers they have stored in their cell phone. The results are shown in the table.

<b>Phone Numbers</b>	0–5	6–10	11–15	16–20	21–25
<b>Frequency</b>	25	50	48	22	14

- a. Make a histogram of the data.  
b. What is the probability that a person surveyed, chosen at random, has 6–10 phone numbers stored in his or her cell phone?

