

# Stats Ch 2 Sec 2.2 Day 1 Assignment

- What is an advantage of using a stem-and-leaf plot instead of a histogram?  
What is a disadvantage?
- In terms of displaying data, how is a stem-and-leaf plot similar to a dot plot?

**Putting Graphs in Context** In Exercises 5–8, match the plot with the description of the sample.

5. 0 | 8      Key: 0|8 = 0.8

1 | 5 6 8

2 | 1 3 4 5

3 | 0 9

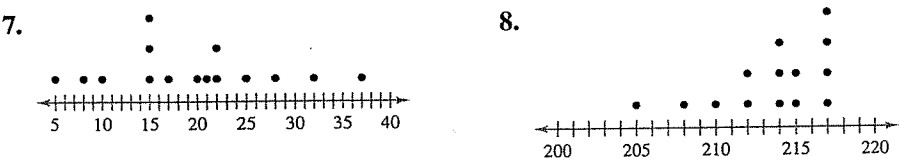
4 | 0 0

6. 6 | 7 8      Key: 6|7 = 67

7 | 4 5 5 8 8 8

8 | 1 3 5 5 8 8 9

9 | 0 0 0 2 4



- Time (in minutes) it takes a sample of employees to drive to work
- Grade point averages of a sample of students with finance majors
- Top speeds (in miles per hour) of a sample of high-performance sports cars
- Ages (in years) of a sample of residents of a retirement home

**Graphical Analysis** In Exercises 9–12, use the stem-and-leaf plot or dot plot to list the actual data entries. What is the maximum data entry? What is the minimum data entry?

9. Key: 2|7 = 27

2 | 7

3 | 2

4 | 1 3 3 4 7 7 8

5 | 0 1 1 2 3 3 3 4 4 4 4 5 6 6 8 9

6 | 8 8 8

7 | 3 8 8

8 | 5

10. Key: 12|9 = 12.9

12 |

12 | 9

13 | 3

13 | 6 7 7

14 | 1 1 1 1 3 4 4

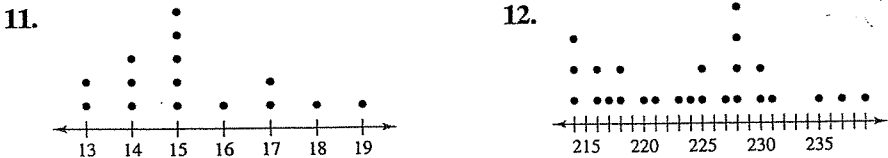
14 | 6 9 9

15 | 0 0 0 1 2 4

15 | 6 7 8 8 8 9

16 | 1

16 | 6 7



**18. World's Richest People** Use a stem-and-leaf plot to display the data. The data represent the ages of the top 25 wealthiest people in the world. (Source: Forbes)

51 76 67 80 56 73 58 71 78 49 62 84 50  
49 87 40 59 47 54 84 61 79 59 52 63

**22. Life Spans of House Flies** Use a dot plot to display the data. The data represent the life spans (in days) of 40 house flies.

9 9 4 4 8 11 10 5 8 13 9 6 7 11  
13 11 6 9 8 14 10 6 10 10 8 7 14 11  
7 8 6 11 13 10 14 14 8 13 14 10