

Practice

For use with pages 581-587

Make an ordered stem-and-leaf plot of the data.

1. 16.9, 17.8, 16.3, 16.4, 17.8, 18.1, 15.4,
16.8, 17.1, 18.3, 15.5, 16.2, 17.9
2. 96.9, 92.5, 94.7, 98.4, 92.1, 94.8, 96.4,
97.5, 97.2, 96.8, 97.7, 97.6, 93.0, 94.6,
97.2, 97.8, 94.3, 97.7
3. 282, 274, 250, 291, 286, 249, 289, 288,
251, 261, 272, 268, 247, 263, 248, 267,
295, 287
4. 737, 784, 753, 762, 771, 756, 754, 739,
757, 762, 775, 758, 759, 786, 755, 778,
756, 778, 758

In Exercises 5-8, use the data to make a frequency table and a histogram.

5. 20, 4, 6, 9, 14, 15, 20, 23, 21, 7, 4,
12, 10, 5
6. 24, 42, 44, 39, 21, 30, 31, 35, 33, 30, 34,
36, 34, 37, 33, 38, 22
7. 5300, 3800, 1000, 1900, 2100, 2600,
3100, 5400, 1800, 1600, 2300, 2400,
1700, 2900, 2400, 2200, 5700, 1200,
2300, 2100
8. 281, 241, 267, 290, 283, 281, 282, 284,
262, 271, 274, 285, 261, 284, 283,
280, 275

LESSON

11.1

Continued

Name _____

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9. The ages of 30 people who participate in a contest are as follows:
23, 25, 37, 44, 48, 39, 33, 27, 28, 41, 19, 18, 22, 29, 35, 46, 47, 31, 30, 20,
34, 37, 41, 45, 25, 28, 34, 45, 40, 18.

a. Make an ordered stem-and-leaf plot of the data.

b. Find the median and range of the data.

Make a histogram from the stem-and-leaf plot. Do not use the same intervals in your histogram as are used in the stem-and-leaf plot.

10.

19	1 2 3 4
20	1 2 5 6 7 8 9
21	0 3 4 6 7 7
22	0 0 3 9 9

 Key: 22|3 = 22.3

11.

58	1 2 3 3 4 5
59	0 2 4 5 5 6 7 7 8 8 8
60	7 9
61	1 1 3 5 9

 Key: 58|1 = 581

12. The results of the top ten distances (in meters) for men and women in a long jump competition are listed below.

Women: 5.20, 5.08, 4.64, 5.76, 5.62, 5.06, 4.75, 4.98, 4.70, 4.76

Men: 6.39, 6.56, 6.80, 6.97, 6.70, 6.68, 6.50, 6.57, 6.67, 6.59

a. Make frequency tables for both the men's and women's distances.

b. Use the frequency tables you made in part (a) to make histograms for the two sets of data.

c. What conclusions can you make from the distributions of the data?