NAME _____ DATE _____ PERIOD _____

2-5 Practice: Skills

Stem-and-Leaf Plots

Make a stem-and-leaf plot for each set of data.

1. 18, 16, 13, 20, 33, 58, 32, 14, 61, 67, 52

2. 61, 75, 62, 63, 74, 71, 75, 82, 64, 81, 91, 65

3. $52, $49, $37, $21, $65, $23, $49, $51, $22, $21, $24, $47, $44, $53, $61

4. 82°, 91°, 80°, 55°, 63°, 54°, 83°, 90°, 84°, 91°, 59°, 62°, 50°, 92°, 85°, 92°, 92°

SPORTS For Exercises 5–8, use the stem-and-leaf plot that shows the total number of points earned by each volleyball team at a tournament.

Stem	Leaf
2	9
3	6 6 7 8 9
4	4 5 5 7 9
5	1 4 9
6	1 3 5

4 | 5 = 45 points

5. What was the greatest number of points earned?

6. What was the least number of points earned?

7. How many teams earned more than 50 points?

8. Between what numbers are most of the points earned?

NAME _____ DATE _____ PERIOD ____

2-5 Practice: Word Problems

Stem-and-Leaf Plots

TRAFFIC For Exercises 1 and 2, use the table. For Exercises 3 and 4, use the stem-and-leaf plot.

Number of Trucks Passing Through the Intersection Each Hour					
5	15	6	42	34	28
19	18	19	22	23	21
32	26	34	19	29	21
10	6	8	40	14	17

Number of Birds at a Watering Hole Each Hour

Stem	Leaf
1	8 9
2	4 8 9
3	3 4 4 4
4	2 5 5 5 5 7 8
5	0 0 3 3 4 6 6 7

3 | 4 = 34 birds

1. Mr. Chin did a traffic survey. He wrote down the number of trucks that passed through an intersection each hour. Make a stem-and-leaf plot of his data.

2. Refer to your stem-and-leaf plot from Exercise 1. Mr. Chin needs to know the range of trucks passing through the intersection in one hour into which the greatest number of hours fall.

3. What is the least number of birds at the watering hole in one hour? What is the greatest number?

4. What is the most frequent number of birds to be at the watering hole in one hour?

5. **RVs** Make a stem-and-leaf plot for the number of RVs Mr. Chin counted in 12 hours: 3, 4, 9, 13, 7, 9, 8, 5, 4, 6, 1, 11.

6. **RVs** Write a few sentences that analyze the RV data for Mr. Chin's report in Exercise 5.