Name _____

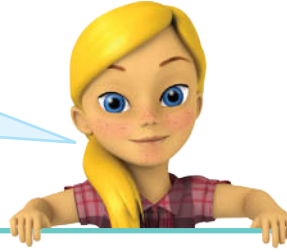**Another Look!**

Dot plots, frequency tables, and stem-and-leaf plots can be used to organize data to help you solve problems.

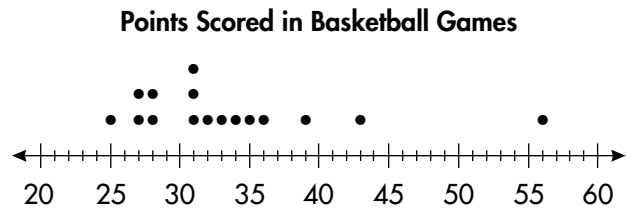Marvis listed the points scored in each game by the Washington Middle School basketball team.

DATA

Points Scored in Basketball Games							
36	31	32	39	43	27	31	34
28	27	56	25	31	28	33	35

Next, Marvis made an organized list of the points scored in each game.

DATA

Points Scored in Basketball Games							
25	27	27	28	28	31	31	31
32	33	34	35	36	39	43	56

Lastly, Marvis used the organized list to make a dot plot of the data.

Points Scored in Basketball Games

1. Use the data above to complete a stem-and-leaf plot of the points scored in basketball games.

Points Scored in Basketball Games	
Stem	Leaf
KEY:	

2. Use the stem-and-leaf plot from Exercise 1. When were more total points scored: when the team scored less than 30 points, or when the team scored more than 40 points? How many more?

3. Represent Josie took a survey of the hourly rate for babysitting. Her data are in the table to the right. Use the data to complete the frequency table.

4. If Josie wants to use the rate that is most ⭐ common among the other babysitters, what should she charge per hour?

    A $5.00
    B $5.25
    C $5.75
    D $6.00

5. Tomorrow, Josie is going to babysit for 6 hours. How much more would she make by charging the greatest hourly rate listed rather than the least hourly rate?

Babysitting Hourly Rates ($)

DATA

6.00	5.30	5.25
5.00	5.75	5.25
5.15	5.50	5.00
5.75	5.75	5.50

Rate ($)	Tally	Frequency
5.00		
5.15		
5.25		
5.30		
5.50		
5.75		
6.00		

6. Analyze Information The number of bagels sold at the coffee shop each day this week is shown in the table. Which day is an outlier for this data set?

7. Were more bagels sold during Sunday through Wednesday or during Thursday through Saturday? How many more?

Bagels Sold Each Day

DATA

Sunday	23
Monday	16
Tuesday	7
Wednesday	19
Thursday	17
Friday	22
Saturday	20

8. Extend Your Thinking Mr. Barnes kept track of the number of packages he delivered each of his last 10 work days. They are listed in the stem-and-leaf plot at the right. How many more packages did he deliver on his busiest day than on his least busy day?

Packages Delivered Daily

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

KEY: 2|8 = 28