Name _____

Period _____ Date _____

Data Tables Worksheet

Part 1: Read the information below and examine the data table. Then answer the questions about the data table.

BMW corporate is examining how many cars they are selling in four key market states: California, New York, Illinois, and Florida. They record how many units are sold in each state for the months of January, April, July, and October. They record the following data:

Number of BMW Units Sold in Key States Throughout the Year					
State	**January**	**April**	**July**	**October**	**Total**
California	2,854	2,699	2,611	2,710	10,874
New York	1,239	2,834	3,002	1,533	8,608
Illinois	921	2,712	2,945	1,034	7,612
Florida	3,436	2,280	2,417	3,001	11,134

1. Which state sold the greatest total BMW units over the study period? Which state sold the least total BMW units over the study period?

2. Which state sold 2,417 BMW units in July? How does this compare to other months for this state?

3. Examine the data for New York and Illinois. What seasons do both states see a noticeable drop off in BMW sales? Give a possible explanation for the drop off during these seasons.

4. What state appears to be the steadiest (had the smallest change) in their BMW sales throughout the year? How did you draw this conclusion from the data?

5. What state has the greatest difference in BMW sales from July to October? How did you figure this out from the data?

6. If you were going to buy a BMW in January, which state do you think you would be most likely to get the best deal? What makes you draw this conclusion?

Part 2: Construct a data table from the information given below. Make sure your data table includes a _**title**_, _**category headings**_, _**proper units**_, and _**averages**_ if appropriate. Then answer the questions.

You are a biologist studying the health of bald eagles in five locations: Alaska, British Columbia, Alberta, Washington State, and Montana. You know that the greater the mass of an adult bald eagle, the healthier it is. Therefore, you capture and mass 4 bald eagles in each of the above locations. You come up with the following data: In Alaska the 4 captured bald eagles had a mass of 6.5 kg, 6.9 kg, 6.1 kg, and 5.7 kg; in British Columbia the 4 captured bald eagles had a mass of 6.2 kg, 7.3 kg, 5.6 kg, and 7.4 kg; in Alberta the 4 captured bald eagles had a mass of 5.8 kg, 6.2 kg, 5.2 kg, and 4.9 kg; in Washington State the 4 captured bald eagles had a mass of 4.1 kg, 8.1 kg, 3.9 kg, and 5.1 kg; and in Montana the 4 captured bald eagles had a mass of 3.1 kg, 2.8 kg, 3.9 kg, and 4.4 kg.

1. Analyze the data from the data table. Which location appears to have the healthiest bald eagles? How do you know?

2. Which location had the bald eagle with the greatest individual mass? Was this the same location that appears to have the healthiest bald eagles all around?

3. If you were a conservation biologist trying to help the bald eagles, which location would you focus most of your time? Why?