

## Weather Data Analysis

**Table 1: Weather data from 11/28/ 2005 to 12/9/2005**

Date	Helen Keller	Helen Keller	Moose Kerr	Moose Kerr	West Elem.	West Elem.
	Temp (°F)	Conditions	Temp (°F)	Conditions	Temp (°F)	Conditions
11/28/2005	44	Partly Cloudy	-25	Clear Sky	69	Cloudy
11/29/2005			-25	Clear Sky	44	Partly Cloudy
11/30/2005	55	Rainy	0	Cloudy	39	Clear Sky
12/1/2005	37	Cloudy	0	Cloudy	44	Partly Cloudy
12/2/2005	39	Partly Cloudy	-18	Cloudy	33	Clear Sky
12/5/2005	23	Partly Cloudy	-31	Cloudy	33	Cloudy
12/6/2005	30	Cloudy	-38	Clear Sky	33	Partly Cloudy
12/7/2005	28	Clear Sky			35	Partly Cloudy
12/8/2005	23	Clear Sky			42	Rainy
12/9/2005					26	Clear Sky

### Questions:

- 1.) What time period does this chart cover? (How many weeks?) \_\_\_\_\_
- 2.) List the beginning and ending dates for this set of data. \_\_\_\_\_
- 3.) Record dates showing missing data. \_\_\_\_\_
- 4.) Which dates indicate missing data for all three schools? \_\_\_\_\_
- 5.) Record your thoughts about the missing data from all three schools. What do you think happened? Does missing data make a difference when comparing schools? Why?

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- 6.) Which school had the lowest temperature during this time period? \_\_\_\_\_  
Please note this date and temperature. Date: \_\_\_\_\_ Temperature: \_\_\_\_\_
- 7.) What is the difference in temperature between West Elementary and Helen Keller on 12/5/2005? \_\_\_\_\_
- 8.) What was the difference between West Elementary and Moose Kerr on 12/5/2005?  
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Directions: Create graphs using this data.

1.) Use this data to create a bar graph to display weather conditions for each school.

a.) Use a ruler and paper to show all four graphs on one sheet of paper. (One table for each school).

b.) Create a computer-generated graph to display this same information.

2.) Draw a line graph to compare the daily temperatures of each school for this time period.

Although this information is graphed on the web page, use Excel to graph your own for this time period.