

Temperature Graphs

Standards:

Applies concepts (estimation, geometry, fractions, and measurement)

Applies the skills and tools of science (observation and measurement)

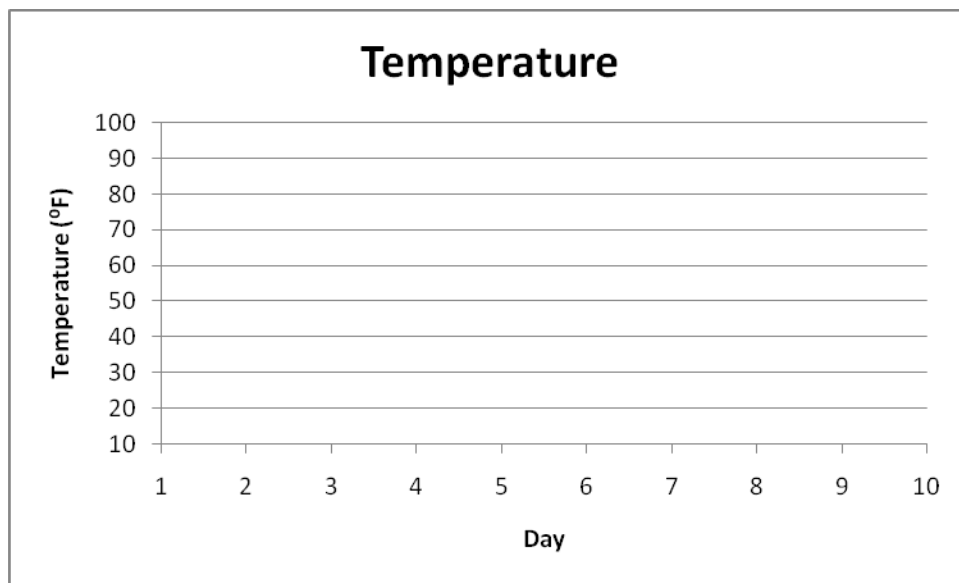
Task:

Each day for two weeks our class will go outside and observe the weather. You will need to use a thermometer to record the temperature, and take notes on what type of clouds are outside.

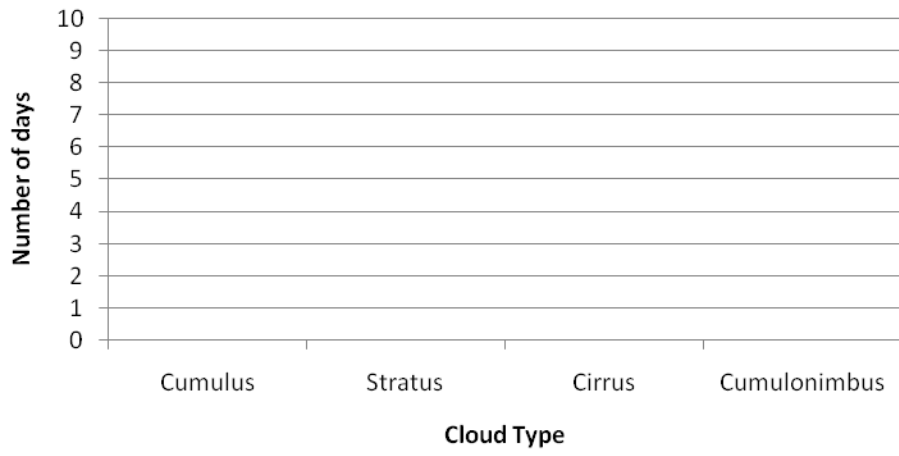
When the two weeks are over you will create a line graph to show the temperature changes as the days went on, and a bar graph to show the number of days that we saw each type of cloud.

Day	1	2	3	4	5
Temperature (°F)					
Type of clouds					

Day	6	7	8	9	10
Temperature (°F)					
Type of clouds					



Types of Clouds



Temperature Graphs Rubric

	1	2	3	4	5
Concepts	Neither the bar graph or the line graph correlates with data table		Bar graph or line graph correctly correlates with data table		Bar graph and line graph correctly correlate with data table
Measurements	None of the temperature measurements was accurate (within 2 degrees of true temperature)	Few (1 – 5) temperature measurements were accurate (within 2 degrees of true temperature)	Most (6 – 9) temperature measurements were accurate (within 2 degrees of true temperature)	All (10) temperature measurements were accurate (within 2 degrees of true temperature)	
Observations	Did not complete observation table	Partially completed observation table or completed observations table with many inaccurate observations of clouds	Completed observation table with some inaccurate observations of clouds	Completed observation table with accurate observations of clouds	