



Graphing Notes/Worksheet

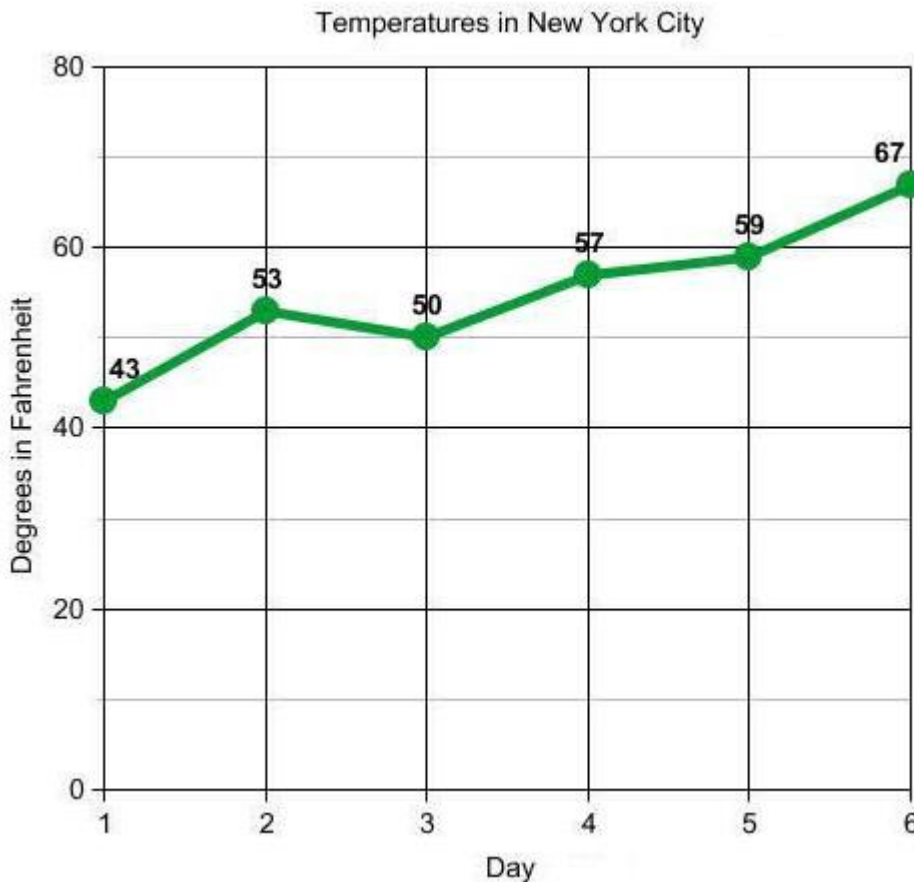
Let's define the various parts of a line graph.

title	The title of the line graph tells us what the graph is about.
labels	The horizontal label across the bottom and the vertical label along the side tells us what kinds of facts are listed.
scales	The horizontal scale across the bottom and the vertical scale along the side tell us how much or how many.
points	The points or dots on the graph show us the facts.
lines	The lines connecting the points give estimates of the values between the points.

Example 1: The table below shows daily temperatures for New York City, recorded for 6 days, in degrees Fahrenheit.

Temperatures In NY City	
Day	Temperature
1	43° F
2	53° F
3	50° F
4	57° F
5	59° F
6	67° F

The data from the table above has been summarized in the line graph below.

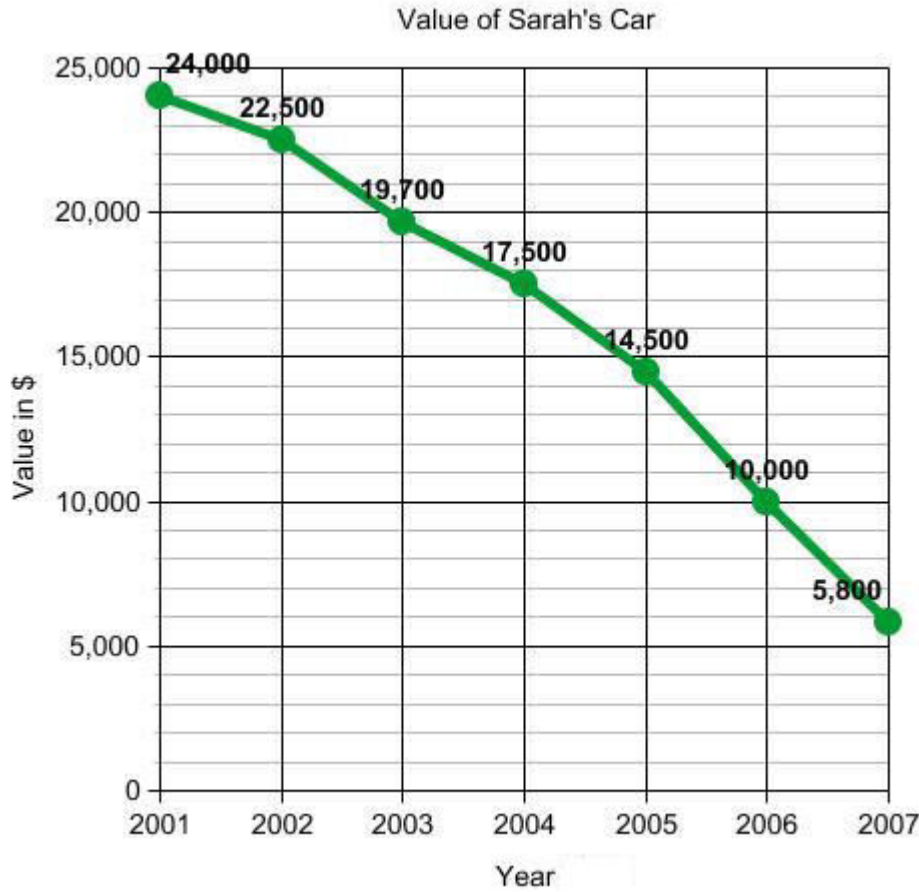




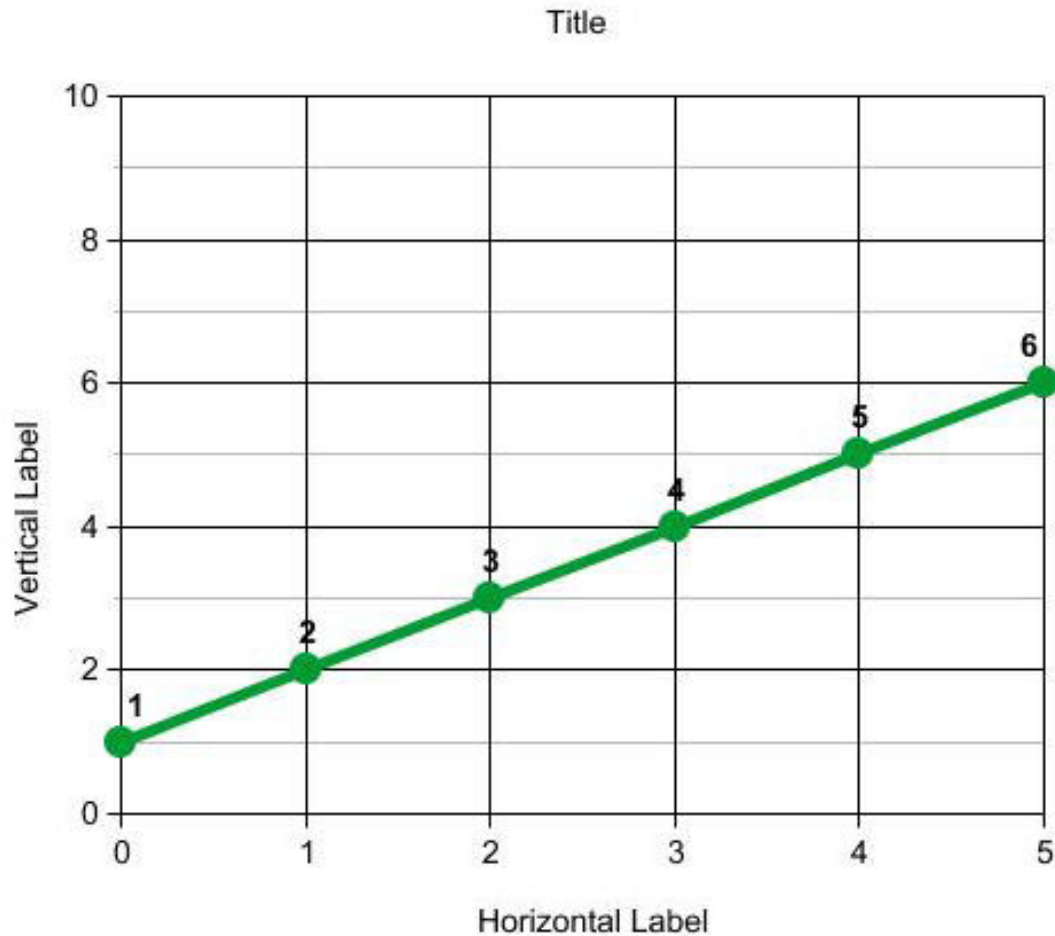
Example 2: Sarah bought a new car in 2001 for \$24,000. The dollar value of her car changed each year as shown in the table below.

Value of Sarah's Car	
Year	Value
2001	\$24,000
2002	\$22,500
2003	\$19,700
2004	\$17,500
2005	\$14,500
2006	\$10,000
2007	\$ 5,800

The data from the table above has been summarized in the line graph below.



In Example 1, the temperature changed from day to day. In Example 2, the value of Sarah's car decreased from year to year. In Example 3, Sam's weight increased each month. Each of these line graphs shows a change in [data](#) over time. A **line graph** is useful for displaying data or information that changes continuously over time. Another name for a line graph is a line chart. The graph below will be used to help us define the parts of a line graph.



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Notes/Questions: