

## Graphing Practices

**Independent Variable:** An **independent variable** is exactly what it sounds like. It is a **variable** that stands alone and isn't changed by the other **variables** you are trying to measure.

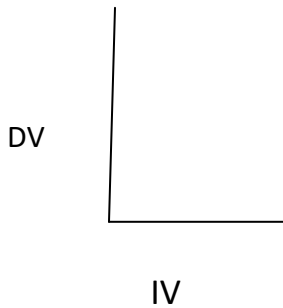
The Independent Variable is located on the “x” or horizontal axis.

In most charts or tables the Independent Variable is the left column.

**Dependent Variable:** A **dependent variable** is what you measure in the experiment and what is affected during the experiment. The **dependent variable** responds to the **independent variable**. It is called **dependent** because it "depends" on the **independent variable**

The Dependent Variable is located on the “y” or vertical axis.

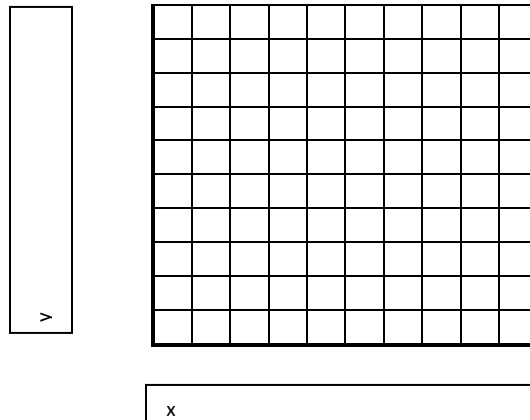
In most charts or tables the Dependent Variable(s) is the left column.



IV “x” axis	DV “y” axis
Number of People for Dinner	Time to Prepare Dinner (hours)
3	0.5
4	0.75
5	1.25
6	1.5
7	1.65
8	1.75

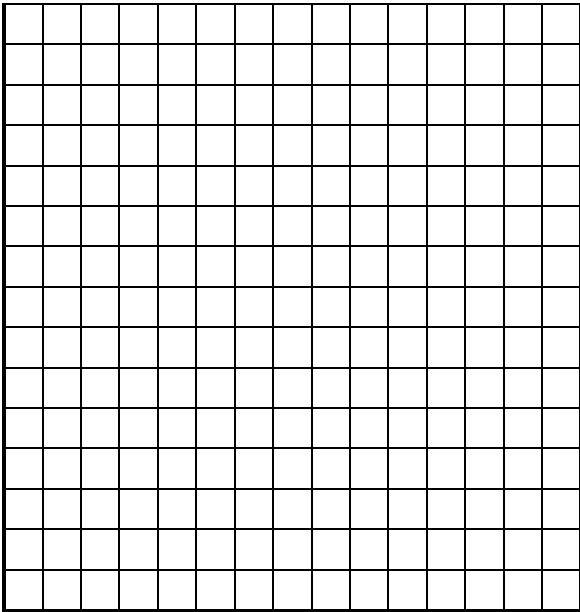
Graph the Dinner data. Include a title, independent variable, dependent variable, and use a proper interval.

Title \_\_\_\_\_



Graph the Temperature data as a double line graph. Include a title, independent variable, dependent variable, and use a proper interval.

Day	Weekly Temperature	
	High	Low
Sunday	72	54
Monday	74	53
Tuesday	69	51
Wednesday	65	57
Thursday	64	59
Friday	66	59
Saturday	68	60



Graph the data as a bar graph. Include a title, independent variable, dependent variable, and use a proper interval.

Favorite Desserts	
Type	Number
Ice Cream	75
Cake	63
Pie	42
Cookies	17

