

3.1 Reading Graphs and Plotting Points

Need to Know



- Graph a Scatter Diagram
- Graph a Bar Graphs
- The Coordinate System
- Graphing Ordered Pairs

Rainfall Data for San Diego

California Department of Water Resources
Monthly Precipitation for 2000.

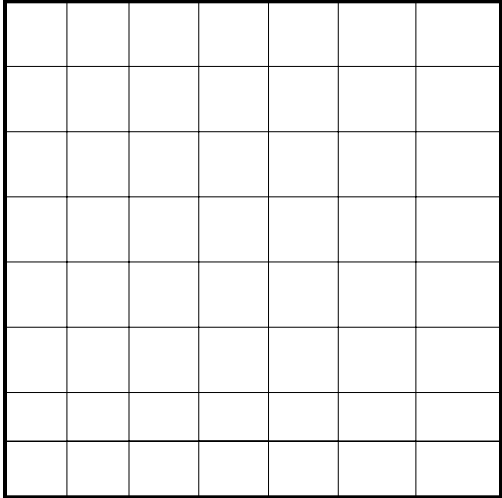
San Diego Nws-Lindbergh	13' (SDG)	Precip Average %-avg	.18	3.68	1.00
			2.05	1.92	1.61
			9%	192%	62%

.54	.00	.00	.00	.01	.00	.00	.04	.32
.76	.21	.07	.02	.09	.18	.42	1.13	1.91
71%	0%	0%	0%	11%	0%	0%	4%	17%

<http://cdec.water.ca.gov/cgi-progs/reports/PRECIPOUT.BSN.2000.html>

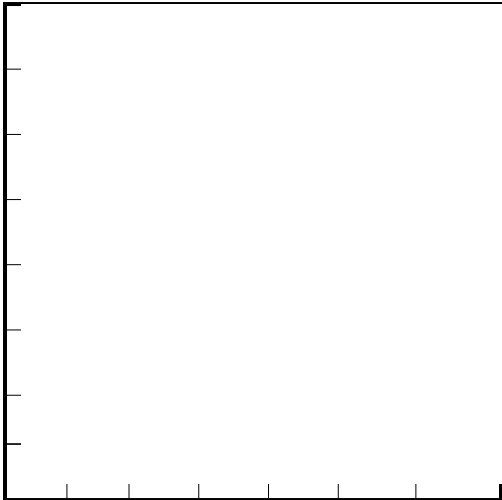
Graph a Scatter Diagram

Month	Rain(in)
Jan	2.05
Mar	1.61
May	.21
July	.02
Sept	.18
Nov	1.13



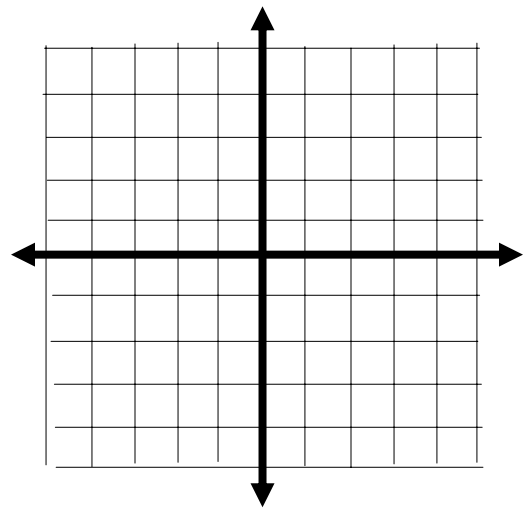
Graph a Bar Graph

Month	Rain(in)
Jan	2.05
Mar	1.61
May	.21
July	.02
Sept	.18
Nov	1.13



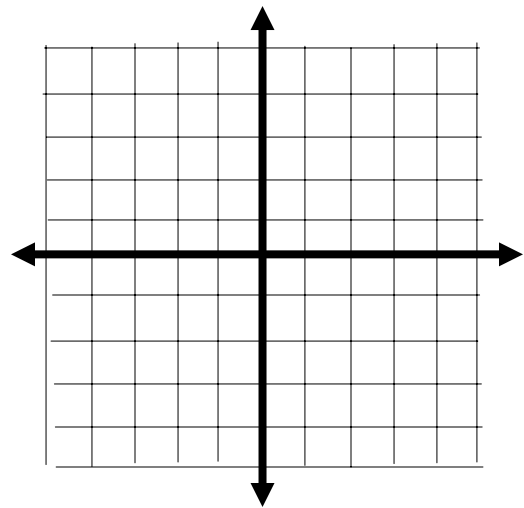
The Coordinate System

- Vocabulary
X-axis
Y-axis
Ordered Pair
(x, y)
Origin (0,0)
Quadrants I,
II, III, IV



Graphing Ordered Pairs

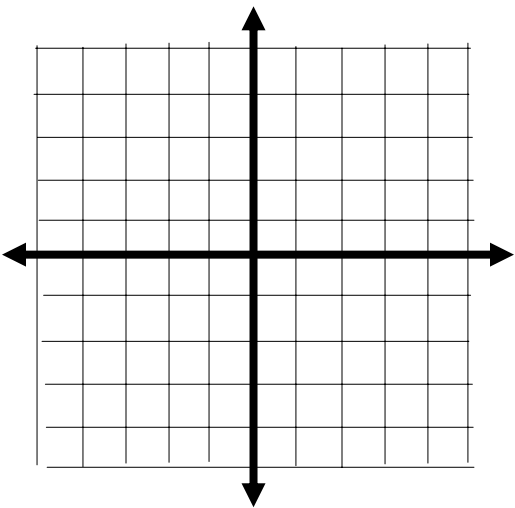
- Ordered Pairs
(3, 2)
(3, -2)
(-3, 2)
(-3, -2)
(0, 4)
(-2, 0)
($\frac{1}{2}$, -4)



Graphing Table Data

Table Data

x	y
5	-3
-2	-2
-1	4
3/2	5



Analysis Example

U.S. college enrollment has grown from 60.3 mill. in 1990 to about 68.3 mill. in 2000.

- a) Approximate the enrollment for 96.
- b) Predict the enrollment for 2005.

