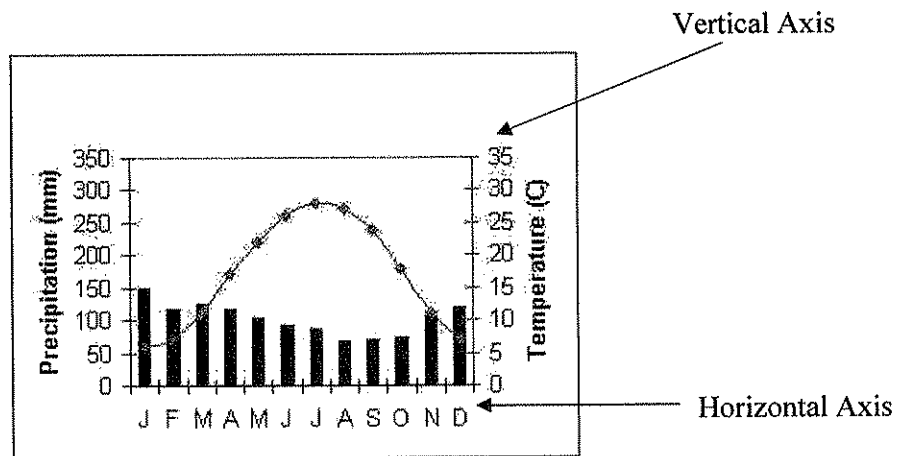


How to Make a Climograph

A climograph is used to illustrate two important aspects of weather on the same graph – temperature and precipitation. In this activity you will learn to create a climograph by plotting climatic data. You will also be able to look at the climograph and draw some conclusions about what the weather would be like in a certain location. Remember that climate is a way of looking at weather over time.

You will use two important graphing skills – your knowledge of how to make a bar graph and a line graph. The line graph shows the average monthly temperatures for a specific location and the bar graph shows the average monthly precipitation (rainfall). You will notice on example below the graph is created. The months of the year are along the bottom (horizontal) axis and the temperatures are on the right side of the vertical axis of the graph. The precipitation is shown on the left side of the vertical axis.



Directions:

1. Using the graphs provided you will first create a climograph for Data Set #1 beginning with the rainfall data.
2. The rainfall data will be your bar graph. So, select a colored pencil and create the bar graph for the rainfall amount for each month of the year.
3. Once you have finished the rainfall data, move to creating the line graph of temperature information. Place a dot on the line for the average monthly temperature for each month of the year.
4. Connect the dots to show the changes over time of the average monthly temperatures using a different colored pencil.
5. You have now made a climograph.
6. Repeat the above steps for the other data sets.
7. Once you have completed all the graphs you are ready to use your knowledge of the geography of India to try to figure out which graph goes to which Indian city.

Use the following data to create four climographs.

Data Set

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	
inches	0.0	0.0	0.0	0.3	3.4	32.4	35.5	23.7	10.1	4.5	1.3	0.7	114.0

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	
°F	78.3	79.0	81.5	84.4	85.5	81.3	79.7	79.3	80.1	81.7	81.5	79.9	81.0

Data Set 2

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	
inches	0.1	0.0	0.0	0.1	0.6	20.4	25.5	15.1	10.9	2.2	0.6	0.1	83.8

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	
°F	75.6	76.3	80.1	83.5	86.0	84.2	81.5	81.0	81.1	82.8	81.1	78.1	81.0

Data Set 3

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	
inches	0.9	0.8	0.6	0.4	0.6	2.7	7.9	7.9	4.8	0.7	0.1	0.4	27.8

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	
°F	57.4	62.4	72.3	83.5	91.2	92.8	87.8	85.6	84.6	78.8	68.5	59.7	77.0

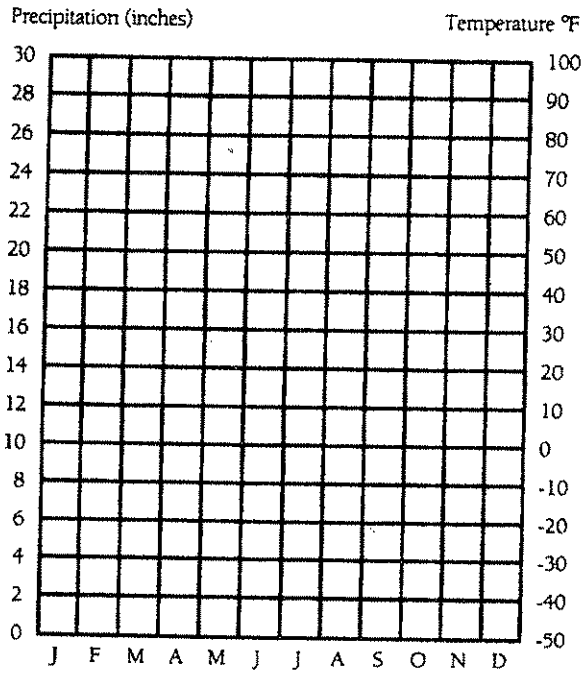
Data Set 4

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	
inches	1.2	0.4	0.4	0.7	1.7	2.1	3.9	4.9	4.9	11.2	13.6	5.4	50.2

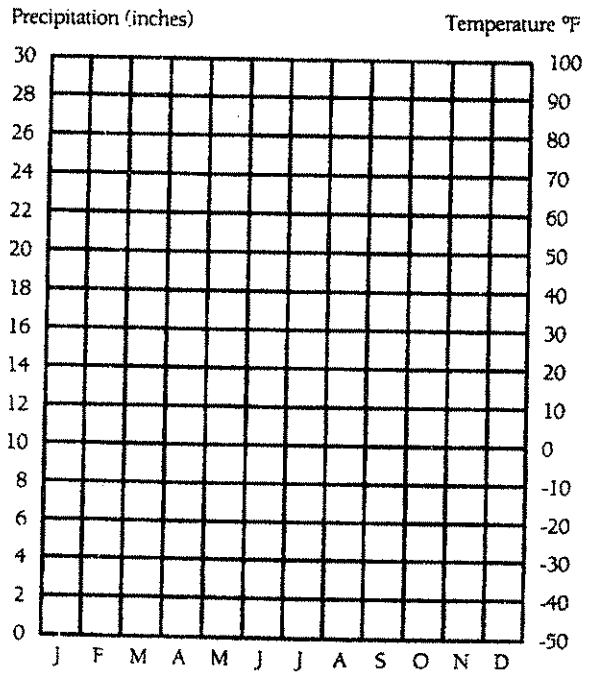
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	
°F	76.3	78.3	81.7	85.8	89.8	89.8	87.1	85.8	84.9	82.4	78.8	76.6	83.1

Blank Climographs

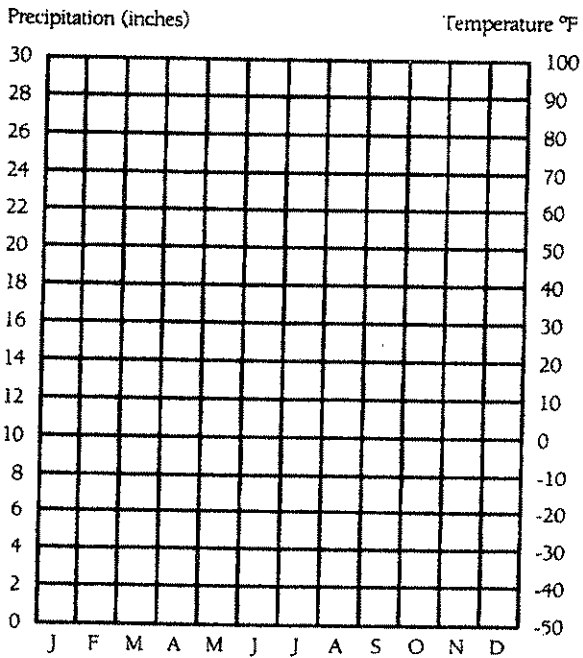
Data Set 1



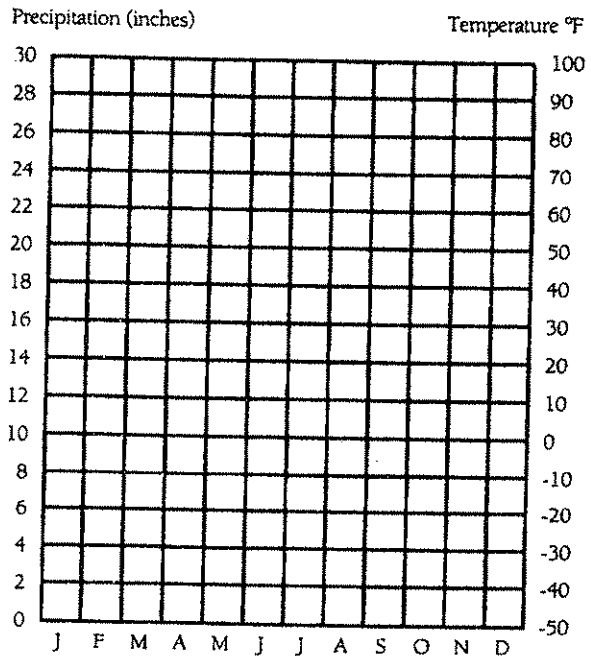
Data Set 2



Data Set 3



Data Set 4



Which Climograph Goes to Which City??



City	Data Set #
BOMBAY (Mumbai)	_____
MADRAS (Chennai)	_____
CALCUTTA (Kolkata)	_____
NEW DELHI (New Delhi)	_____

Pick one of the cities and write a descriptive paragraph (on a separate sheet of paper) about one of these cities based on the climate data set information. Would you want to live in this place (based on the climate information)? Why or why not?