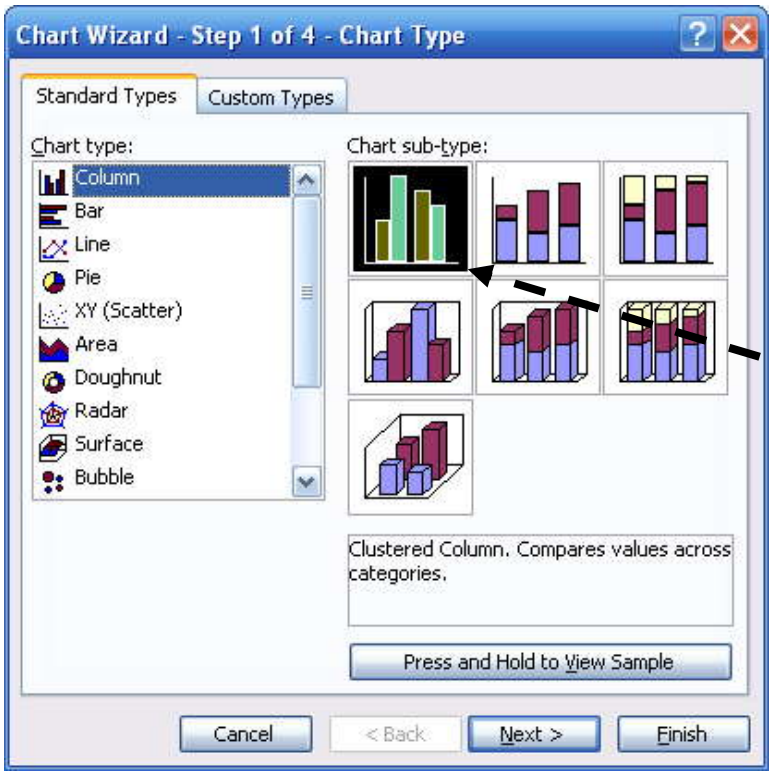
Objective: Creating graphs in Microsoft Excel on data pertaining to world carbon dioxide emissions from the consumption and flaring of fossil fuels. Answer questions on the document titled "**comparing emissions**".

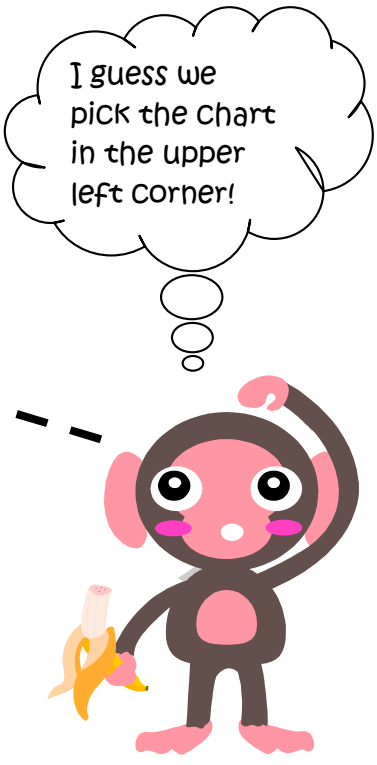
Graph 1: Compare the following countries' carbon dioxide emissions: Canada, Mexico and the United States.

1. Copy and paste the excel spreadsheet called **fossil_fuels** into your home drive. The excel spreadsheet is located in the computers folder in the public drive.
2. Once it is pasted in your folder, you can open the spreadsheet.
3. Select cells **B13-J13** to select the data pertaining to Canada.
4. Hold down the Ctrl key to select cells **B15-J15** to select the data pertaining to Mexico.
5. Hold down the Ctrl key to select cells **B17-J17** to select the data pertaining to the United States. The selection might look something like the following:

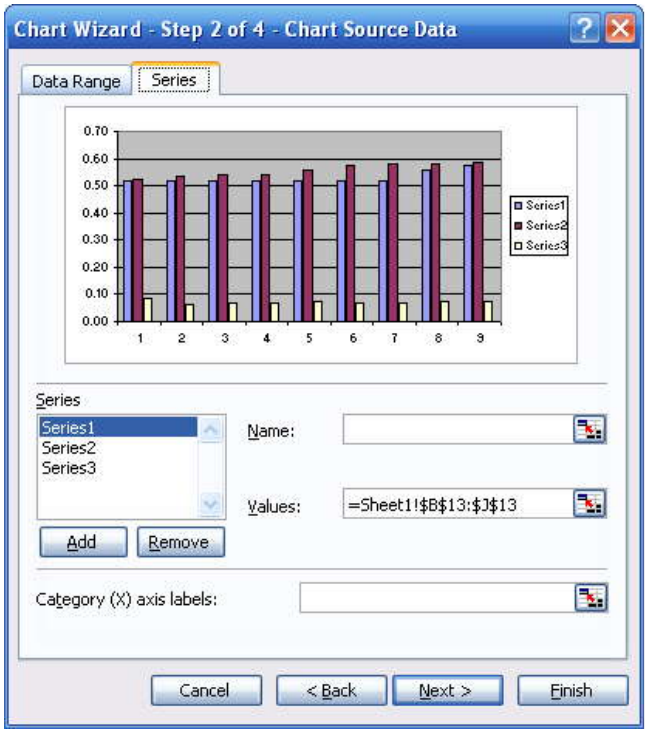
11	Region/Country	1996	1997	1998	1999	2000	2001	2002	2003	2004
12	Bermuda	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.56	0.57
13	Canada	516.21	540.52	544.32	558.44	568.23	555.15	563.24	593.10	587.98
14	Greenland	0.52	0.54	0.54	0.54	0.56	0.57	0.58	0.58	0.59
15	Mexico	329.48	346.53	368.38	360.46	379.99	377.50	385.36	391.03	385.46
16	Saint Pierre and Miquelon	0.08	0.06	0.07	0.07	0.08	0.07	0.07	0.08	0.08
17	United States	5,480.41	5,547.90	5,585.27	5,656.97	5,815.50	5,741.67	5,756.96	5,807.71	5,912.21
18	**North America**	**6,327.23**	**6,436.05**	**6,499.10**	**6,577.00**	**6,764.86**	**6,675.48**	**6,706.72**	**6,793.05**	**6,886.88**
19										

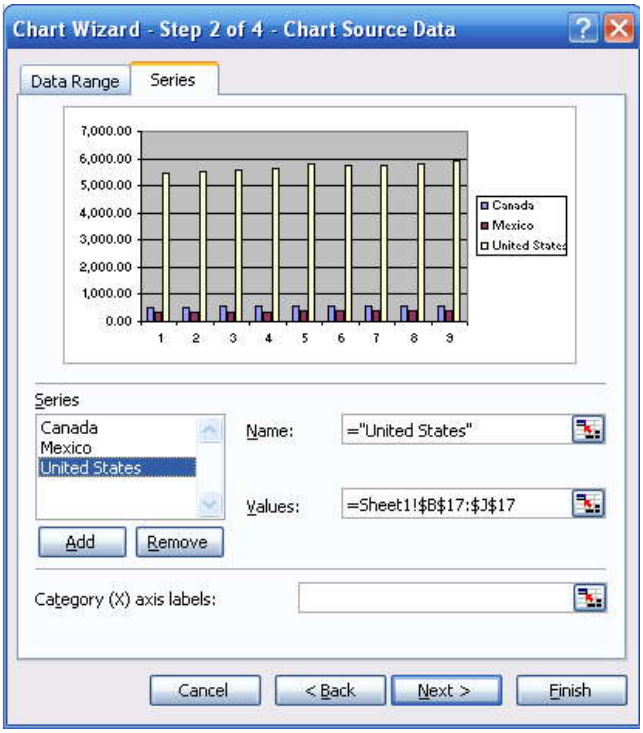
6. After you have properly selected the data, click on the chart wizard  or choose **Insert** | **Chart** from the main menu.
7. Choose the **Column** option under Chart type that is found in the Standard Types tab of the Chart Wizard.



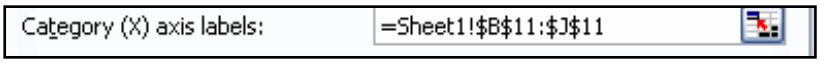


8. Click on the **Next** button.
9. When **the Chart Source Data** window appears, click on the **Series** tab.
10. Under the Series section, click on **Series1** and type in **Canada** in the **Name** field. Select **Series2** and type in **Mexico** in the **Name** field. Finally, type in **United States** for **Series3**. You name the series according to the country that appears first in the rows.

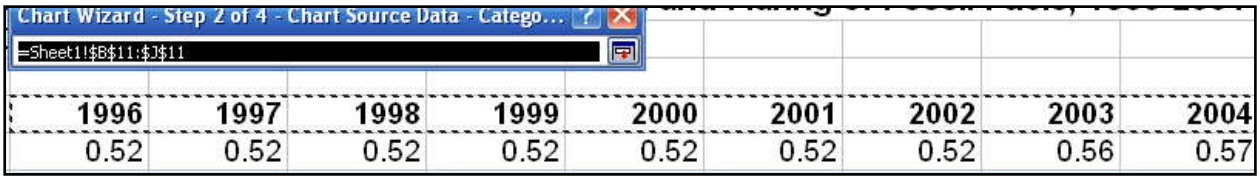




11. Click on the following symbol  found in the field of the **Category (X) axis labels**.

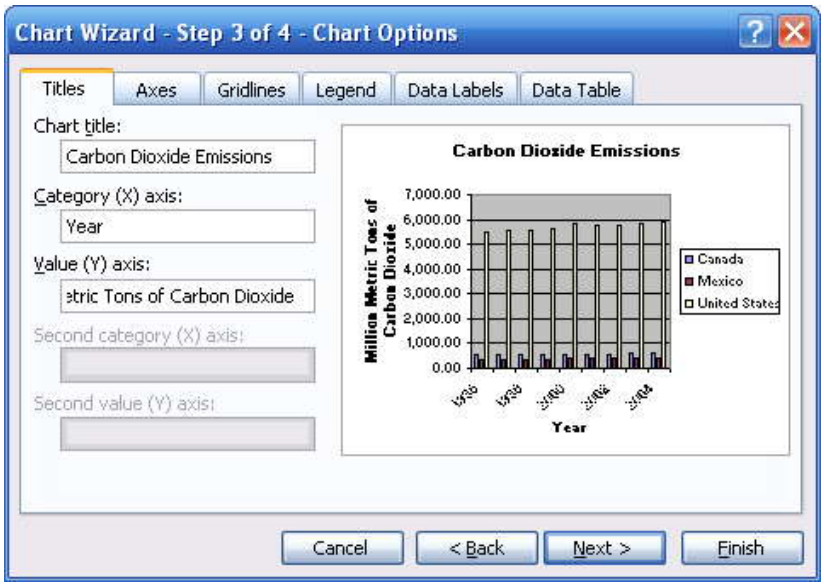


12. The following narrow window will appear. When this appears, select cells B11-J11. These cells contain the years being evaluated. After selecting the years, hit the enter key.

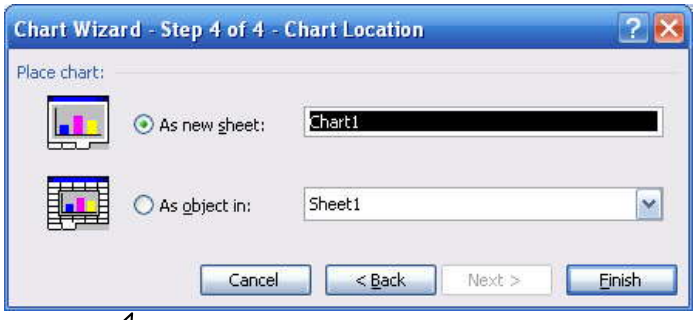


13. By going through these steps, the year will be placed in the proper location on the graph.
14. Click on the **Next** button of the **Chart Wizard**.

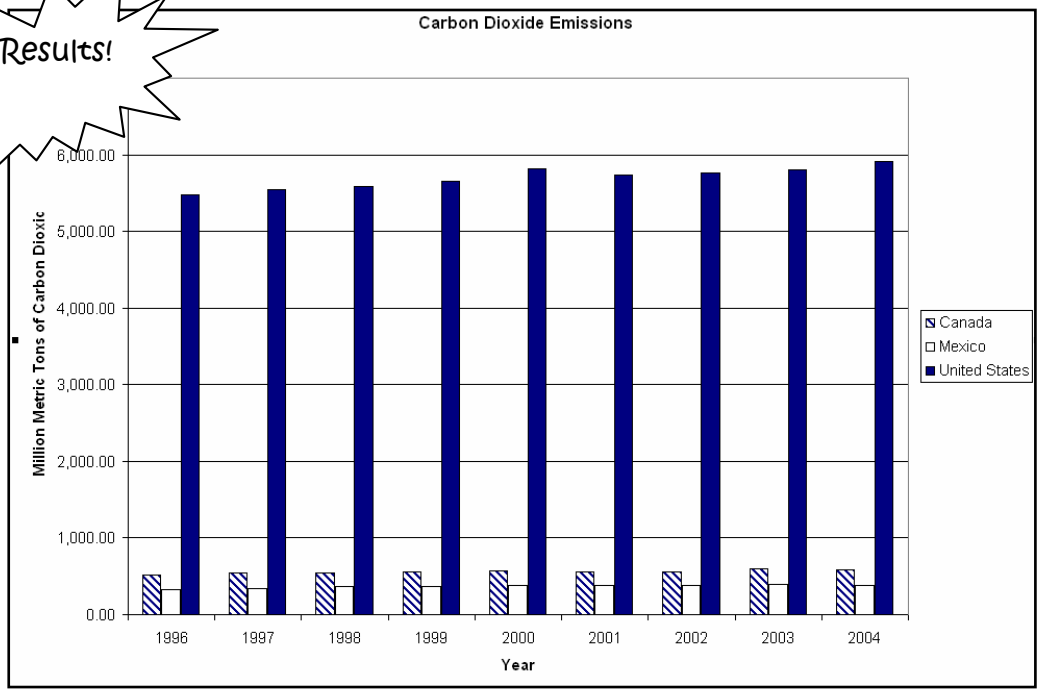
15. Type in **Carbon Dioxide Emissions** for the **Chart title**. Type in **Year** for the **Category (X) axis** field and type in **Million Metric Tons of Carbon Dioxide** in the **Value (Y) axis** field.



16. Click on **Next**.
17. Select **As new sheet** in the **Chart Location** window.



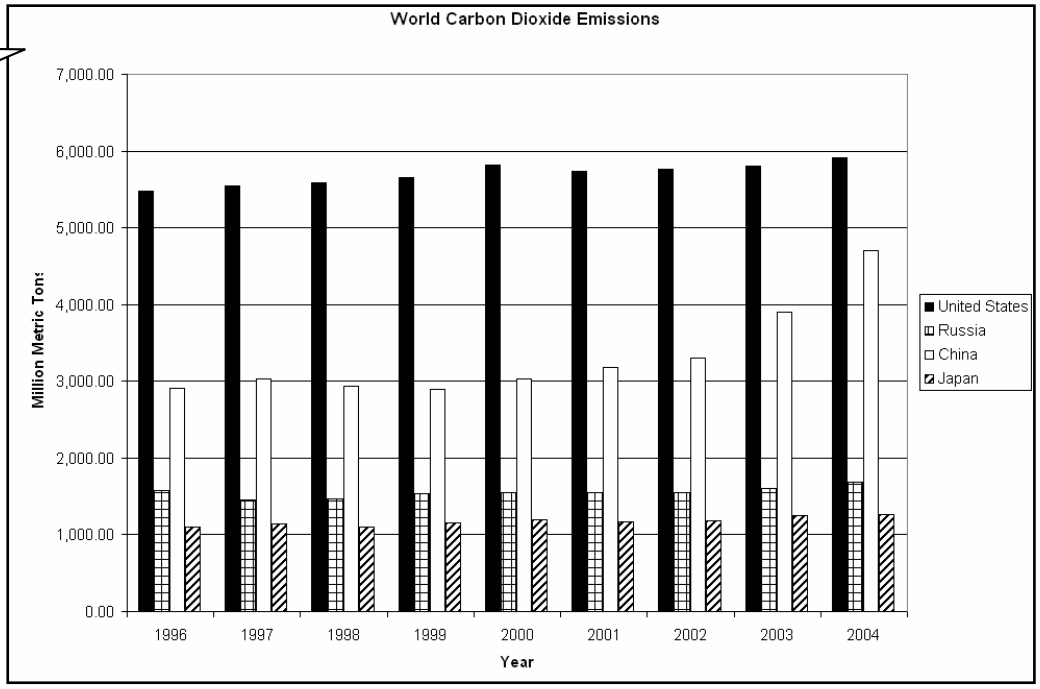
Results!



18. Now that you know how to set up a basic graph, create graphs on the following criteria:

Graph #2

Compare the **United States**, **Russia, China** and **Japan**. The years should include 1996-2004.



Graph #3

Compare the regions of **North America**, **Central & South America**, **Europe** and **Eurasia**. The years should include 1996-2004.