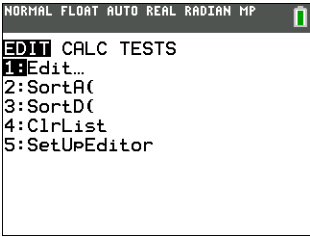
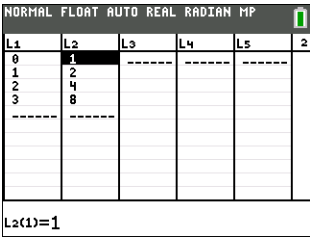
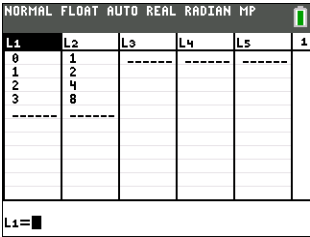
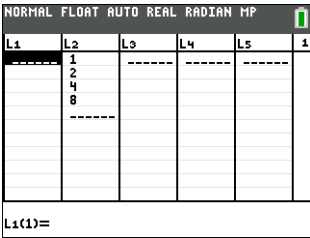
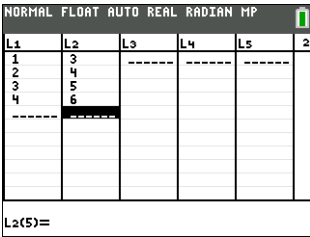


Producing a Scatterplot

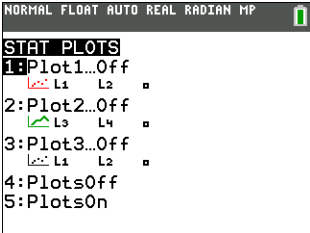
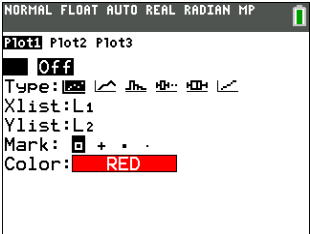
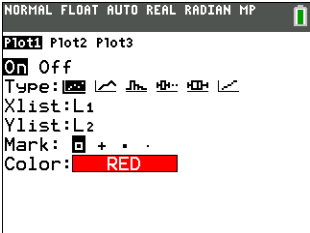
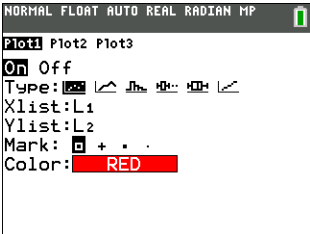
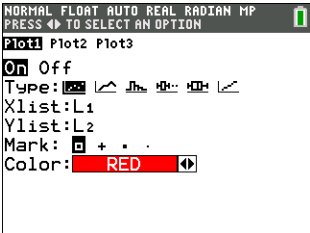
Tutorial Overview

In this tutorial, you will learn how to produce a scatterplot using the TI-84 Plus Graphing Calculator.

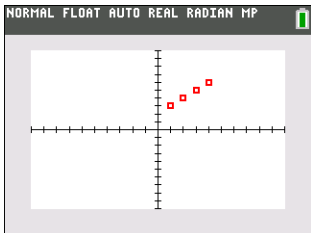
Action	Screens																																																																																																																																																												
<p>Step 1: Enter Stat Editor</p> <p>Press STAT</p>	 <p>NORMAL FLOAT AUTO REAL RADIAN MP</p> <p>EDIT CALC TESTS</p> <p>1:Edit... 2:SortA(3:SortD(4:ClrList 5:SetUpEditor</p>																																																																																																																																																												
<p>Step 2: Select Edit to input data into lists</p>	 <p>NORMAL FLOAT AUTO REAL RADIAN MP</p> <table border="1"> <thead> <tr> <th>L1</th> <th>L2</th> <th>L3</th> <th>L4</th> <th>L5</th> <th>2</th> </tr> </thead> <tbody> <tr><td>0</td><td>1</td><td>---</td><td>---</td><td>---</td><td></td></tr> <tr><td>1</td><td>2</td><td>---</td><td>---</td><td>---</td><td></td></tr> <tr><td>2</td><td>4</td><td>---</td><td>---</td><td>---</td><td></td></tr> <tr><td>3</td><td>8</td><td>---</td><td>---</td><td>---</td><td></td></tr> <tr><td>---</td><td>---</td><td>---</td><td>---</td><td>---</td><td></td></tr> <tr><td>---</td><td>---</td><td>---</td><td>---</td><td>---</td><td></td></tr> <tr><td>---</td><td>---</td><td>---</td><td>---</td><td>---</td><td></td></tr> <tr><td>---</td><td>---</td><td>---</td><td>---</td><td>---</td><td></td></tr> <tr><td>---</td><td>---</td><td>---</td><td>---</td><td>---</td><td></td></tr> <tr><td>---</td><td>---</td><td>---</td><td>---</td><td>---</td><td></td></tr> <tr><td>---</td><td>---</td><td>---</td><td>---</td><td>---</td><td></td></tr> <tr><td>---</td><td>---</td><td>---</td><td>---</td><td>---</td><td></td></tr> </tbody> </table> <p>L2(1)=1</p>	L1	L2	L3	L4	L5	2	0	1	---	---	---		1	2	---	---	---		2	4	---	---	---		3	8	---	---	---		---	---	---	---	---		---	---	---	---	---		---	---	---	---	---		---	---	---	---	---		---	---	---	---	---		---	---	---	---	---		---	---	---	---	---		---	---	---	---	---																																																																															
L1	L2	L3	L4	L5	2																																																																																																																																																								
0	1	---	---	---																																																																																																																																																									
1	2	---	---	---																																																																																																																																																									
2	4	---	---	---																																																																																																																																																									
3	8	---	---	---																																																																																																																																																									
---	---	---	---	---																																																																																																																																																									
---	---	---	---	---																																																																																																																																																									
---	---	---	---	---																																																																																																																																																									
---	---	---	---	---																																																																																																																																																									
---	---	---	---	---																																																																																																																																																									
---	---	---	---	---																																																																																																																																																									
---	---	---	---	---																																																																																																																																																									
---	---	---	---	---																																																																																																																																																									
<p>Step 3: When there is data in list from previous work, it needs to be cleared before work is continued.</p> <p>There are several ways but the method preferred by many students is to move cursor up to name of list, press CLEAR and ENTER.</p>	 <p>NORMAL FLOAT AUTO REAL RADIAN MP</p> <table border="1"> <thead> <tr> <th>L1</th> <th>L2</th> <th>L3</th> <th>L4</th> <th>L5</th> <th>1</th> </tr> </thead> <tbody> <tr><td>0</td><td>1</td><td>---</td><td>---</td><td>---</td><td></td></tr> <tr><td>1</td><td>2</td><td>---</td><td>---</td><td>---</td><td></td></tr> <tr><td>2</td><td>4</td><td>---</td><td>---</td><td>---</td><td></td></tr> <tr><td>3</td><td>8</td><td>---</td><td>---</td><td>---</td><td></td></tr> <tr><td>---</td><td>---</td><td>---</td><td>---</td><td>---</td><td></td></tr> <tr><td>---</td><td>---</td><td>---</td><td>---</td><td>---</td><td></td></tr> <tr><td>---</td><td>---</td><td>---</td><td>---</td><td>---</td><td></td></tr> <tr><td>---</td><td>---</td><td>---</td><td>---</td><td>---</td><td></td></tr> <tr><td>---</td><td>---</td><td>---</td><td>---</td><td>---</td><td></td></tr> <tr><td>---</td><td>---</td><td>---</td><td>---</td><td>---</td><td></td></tr> <tr><td>---</td><td>---</td><td>---</td><td>---</td><td>---</td><td></td></tr> <tr><td>---</td><td>---</td><td>---</td><td>---</td><td>---</td><td></td></tr> </tbody> </table> <p>L1=</p>  <p>NORMAL FLOAT AUTO REAL RADIAN MP</p> <table border="1"> <thead> <tr> <th>L1</th> <th>L2</th> <th>L3</th> <th>L4</th> <th>L5</th> <th>1</th> </tr> </thead> <tbody> <tr><td>---</td><td>1</td><td>---</td><td>---</td><td>---</td><td></td></tr> <tr><td>---</td><td>2</td><td>---</td><td>---</td><td>---</td><td></td></tr> <tr><td>---</td><td>4</td><td>---</td><td>---</td><td>---</td><td></td></tr> <tr><td>---</td><td>8</td><td>---</td><td>---</td><td>---</td><td></td></tr> <tr><td>---</td><td>---</td><td>---</td><td>---</td><td>---</td><td></td></tr> <tr><td>---</td><td>---</td><td>---</td><td>---</td><td>---</td><td></td></tr> <tr><td>---</td><td>---</td><td>---</td><td>---</td><td>---</td><td></td></tr> <tr><td>---</td><td>---</td><td>---</td><td>---</td><td>---</td><td></td></tr> <tr><td>---</td><td>---</td><td>---</td><td>---</td><td>---</td><td></td></tr> <tr><td>---</td><td>---</td><td>---</td><td>---</td><td>---</td><td></td></tr> <tr><td>---</td><td>---</td><td>---</td><td>---</td><td>---</td><td></td></tr> <tr><td>---</td><td>---</td><td>---</td><td>---</td><td>---</td><td></td></tr> </tbody> </table> <p>L1(1)=</p>	L1	L2	L3	L4	L5	1	0	1	---	---	---		1	2	---	---	---		2	4	---	---	---		3	8	---	---	---		---	---	---	---	---		---	---	---	---	---		---	---	---	---	---		---	---	---	---	---		---	---	---	---	---		---	---	---	---	---		---	---	---	---	---		---	---	---	---	---		L1	L2	L3	L4	L5	1	---	1	---	---	---		---	2	---	---	---		---	4	---	---	---		---	8	---	---	---		---	---	---	---	---		---	---	---	---	---		---	---	---	---	---		---	---	---	---	---		---	---	---	---	---		---	---	---	---	---		---	---	---	---	---		---	---	---	---	---	
L1	L2	L3	L4	L5	1																																																																																																																																																								
0	1	---	---	---																																																																																																																																																									
1	2	---	---	---																																																																																																																																																									
2	4	---	---	---																																																																																																																																																									
3	8	---	---	---																																																																																																																																																									
---	---	---	---	---																																																																																																																																																									
---	---	---	---	---																																																																																																																																																									
---	---	---	---	---																																																																																																																																																									
---	---	---	---	---																																																																																																																																																									
---	---	---	---	---																																																																																																																																																									
---	---	---	---	---																																																																																																																																																									
---	---	---	---	---																																																																																																																																																									
---	---	---	---	---																																																																																																																																																									
L1	L2	L3	L4	L5	1																																																																																																																																																								
---	1	---	---	---																																																																																																																																																									
---	2	---	---	---																																																																																																																																																									
---	4	---	---	---																																																																																																																																																									
---	8	---	---	---																																																																																																																																																									
---	---	---	---	---																																																																																																																																																									
---	---	---	---	---																																																																																																																																																									
---	---	---	---	---																																																																																																																																																									
---	---	---	---	---																																																																																																																																																									
---	---	---	---	---																																																																																																																																																									
---	---	---	---	---																																																																																																																																																									
---	---	---	---	---																																																																																																																																																									
---	---	---	---	---																																																																																																																																																									
<p>Step 4: Enter data in L1 and L2.</p> <p>Be sure the lists have the same number of entries or the calculator will not be able to plot them as ordered pairs.</p>	 <p>NORMAL FLOAT AUTO REAL RADIAN MP</p> <table border="1"> <thead> <tr> <th>L1</th> <th>L2</th> <th>L3</th> <th>L4</th> <th>L5</th> <th>2</th> </tr> </thead> <tbody> <tr><td>1</td><td>3</td><td>---</td><td>---</td><td>---</td><td></td></tr> <tr><td>2</td><td>4</td><td>---</td><td>---</td><td>---</td><td></td></tr> <tr><td>3</td><td>5</td><td>---</td><td>---</td><td>---</td><td></td></tr> <tr><td>4</td><td>6</td><td>---</td><td>---</td><td>---</td><td></td></tr> <tr><td>---</td><td>---</td><td>---</td><td>---</td><td>---</td><td></td></tr> <tr><td>---</td><td>---</td><td>---</td><td>---</td><td>---</td><td></td></tr> <tr><td>---</td><td>---</td><td>---</td><td>---</td><td>---</td><td></td></tr> <tr><td>---</td><td>---</td><td>---</td><td>---</td><td>---</td><td></td></tr> <tr><td>---</td><td>---</td><td>---</td><td>---</td><td>---</td><td></td></tr> <tr><td>---</td><td>---</td><td>---</td><td>---</td><td>---</td><td></td></tr> <tr><td>---</td><td>---</td><td>---</td><td>---</td><td>---</td><td></td></tr> <tr><td>---</td><td>---</td><td>---</td><td>---</td><td>---</td><td></td></tr> </tbody> </table> <p>L2(5)=</p>	L1	L2	L3	L4	L5	2	1	3	---	---	---		2	4	---	---	---		3	5	---	---	---		4	6	---	---	---		---	---	---	---	---		---	---	---	---	---		---	---	---	---	---		---	---	---	---	---		---	---	---	---	---		---	---	---	---	---		---	---	---	---	---		---	---	---	---	---																																																																															
L1	L2	L3	L4	L5	2																																																																																																																																																								
1	3	---	---	---																																																																																																																																																									
2	4	---	---	---																																																																																																																																																									
3	5	---	---	---																																																																																																																																																									
4	6	---	---	---																																																																																																																																																									
---	---	---	---	---																																																																																																																																																									
---	---	---	---	---																																																																																																																																																									
---	---	---	---	---																																																																																																																																																									
---	---	---	---	---																																																																																																																																																									
---	---	---	---	---																																																																																																																																																									
---	---	---	---	---																																																																																																																																																									
---	---	---	---	---																																																																																																																																																									
---	---	---	---	---																																																																																																																																																									

Producing a Scatterplot

Graph the Data

Action	Screens
<p>Step 5: Press 2nd STAT PLOT (this is the Y= key). At this point, you can see if the plots are on or off. All plots should be off except the one with which you are working.</p>	
<p>Step 6: Press ENTER to select Plot 1.</p>	
<p>Step 7: Turn Plot1 ON by highlighting the word ON and pressing ENTER.</p>	
<p>Step 8: Select the 'scatter plot' for plot Type.</p>	
<p>Step 9: Select L1 for X list and L2 for Y list.</p> <p>Note: If you need to change these names from those used in a previous problem, you can select 2nd 1 to retrieve the name L1 and 2nd 2 to retrieve the name of L2.</p>	

Producing a Scatterplot

Action	Screens
<p>Step 10: Graph the plot by pressing GRAPH.</p>	
<p>Step 11: If all the data points are not visible, you can set a window manually using the WINDOW key and the information from your data or you can have the calculator set a window in which all the data points are visible by pressing ZOOM and ZoomStat.</p>	