ClassPad II Help Series	Casio Education Australia - supporting Australian teachers	www.casio.edu.shriro.com.au	Author	Charlie Watson
CP411	Scatterplot and Regression		Date	April 2015
			CPII OS	02.00.2000.0000

Open the Statistics application.

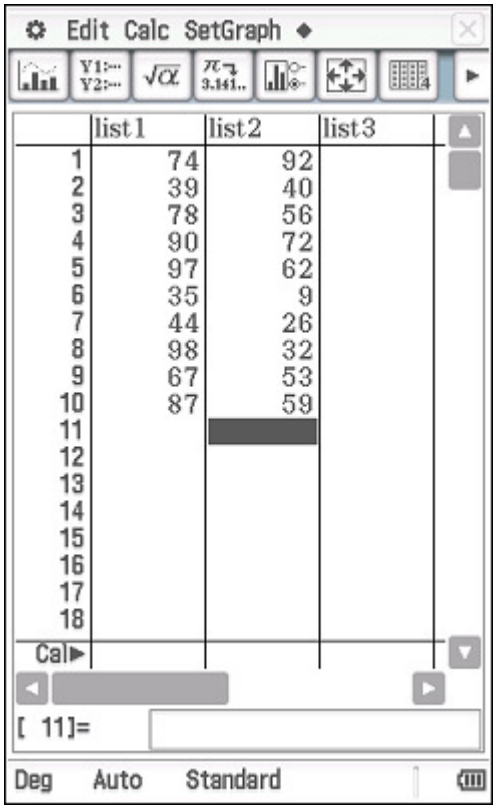
Tap Edit, Clear All.

The data below shows the number of births (list1) and deaths (list2) for ten similar sized suburbs in a city during a one year period.

74	92
39	40
78	56
90	72
97	62
35	9
44	26
98	32
67	53
87	59

Enter the number of births into **list1**.

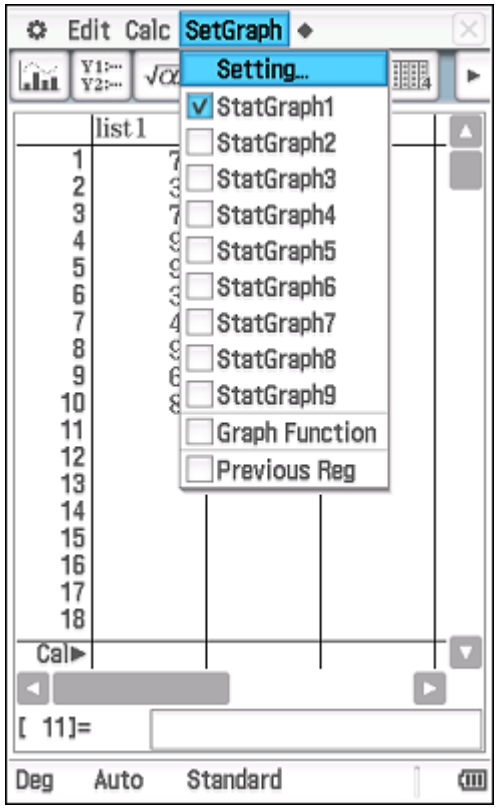
Enter the number of deaths into **list2**.



Tap **SetGraph**.

Ensure that only StatGraph1 has a tick in its box and **ALL** other boxes are empty.

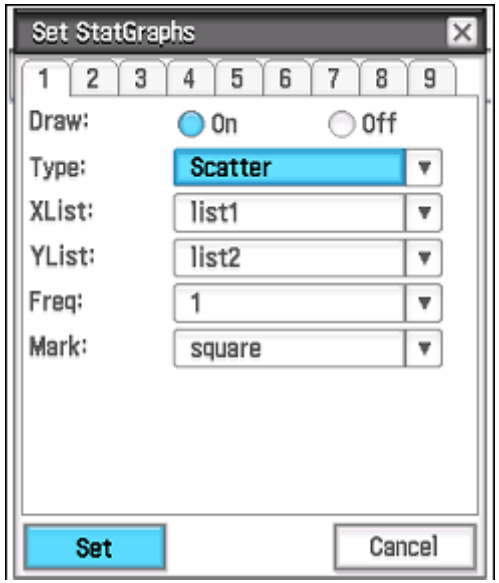
Tap **Setting**... to open the Set StatGraphs window.

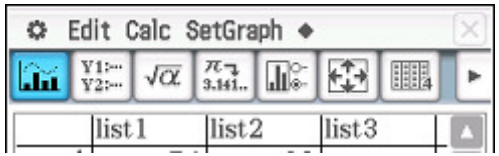


Draw should be On.

Check that the other settings are as shown below and tap **Set** to confirm.

Tap the DrawGraph icon  .

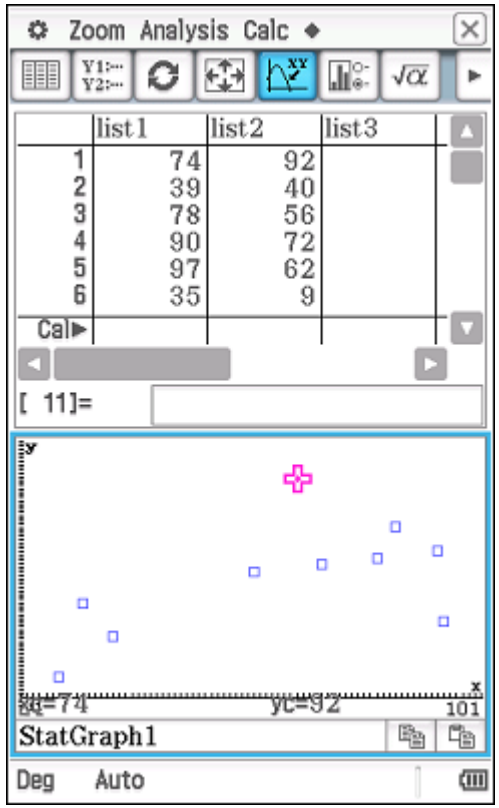




ClassPad II Help Series	Casio Education Australia - supporting Australian teachers	www.casio.edu.shriro.com.au	Author	Charlie Watson
CP411	Scatterplot and Regression		Date	April 2015
			CPII OS	02.00.2000.0000

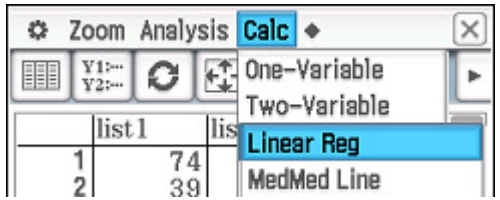
Tap  and observe that the x and y-coordinates of the first data point are displayed at the bottom of the screen (xc = 74, yc = 92).

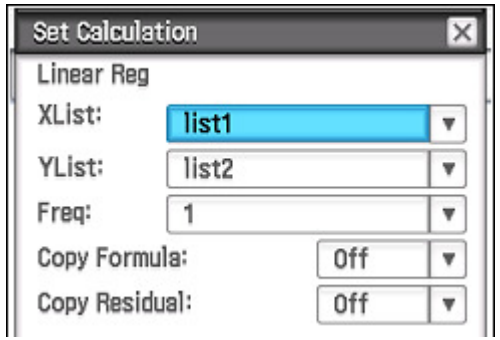
Tap the cursor keys to move left and right through the other points.



Tap **Calc, Regression, Linear Reg**.

Tap **OK** to confirm Set Calculation settings.



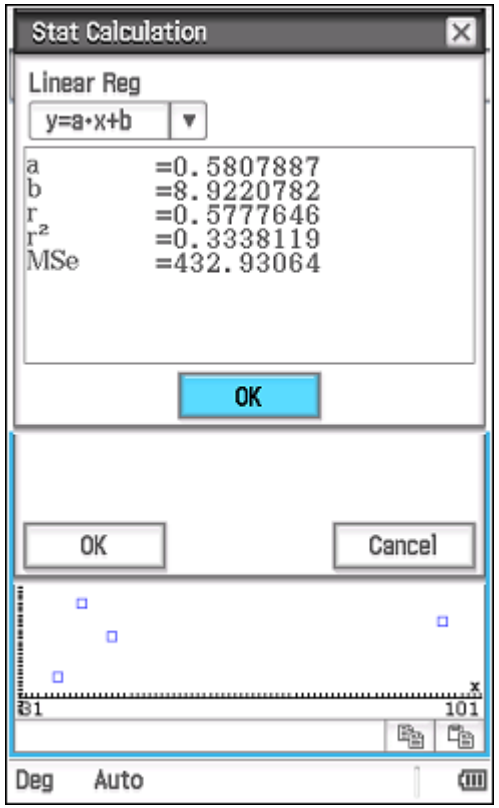


The Linear Regression coefficients are displayed.

The line has a gradient of 0.581

The correlation coefficient is 0.578

Tap **OK**.



The regression line is drawn through the data points.

Tap  and observe that the x and y-coordinates of a point on the regression line are displayed at the bottom of the screen.

Tap the cursor key to move left and right along the line or up and then left and right to jump through the data points.