ClassPad II Help Series	Casio Education Australia - supporting Australian teachers	www.casio.edu.shriro.com.au	Author	Charlie Watson
CP803	Fibonacci Type Sequences		Date	April 2015
			CPII OS	02.00.2000.0000

Find and graph the first 10 terms of the Fibonacci sequence given by

$$T_{n+2} = T_{n=1} + T_n,\ T_1 = 1,\ T_2 = 1$$

and then find the ratio of consecutive terms.

Tap **Type** and choose the 4th type.

Enter the recursive formula on the first line.

Tap **EXE**.

Enter the first term as **1** and then the second term as **1**.

Check that the formula is selected.

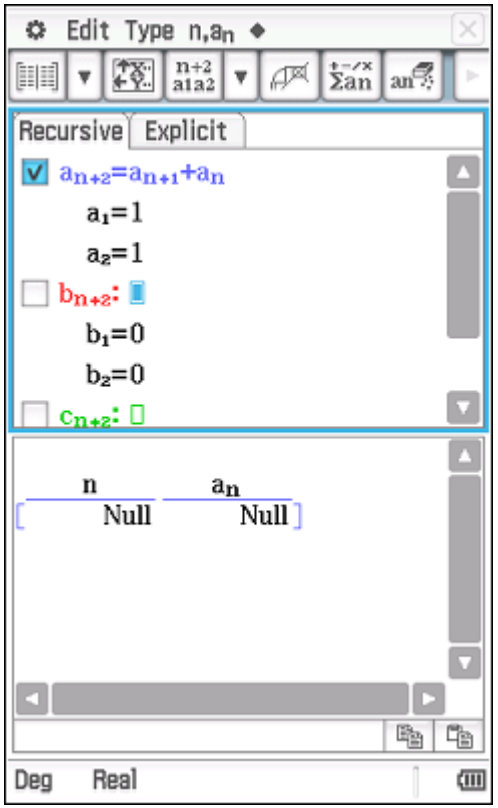
Tap  .

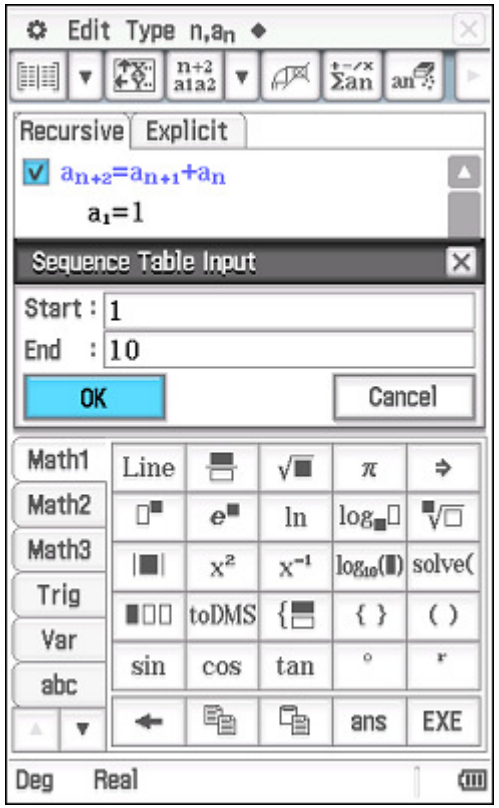
Use Start and End to set the first term as **1** and last term as **10** and then tap **OK**.

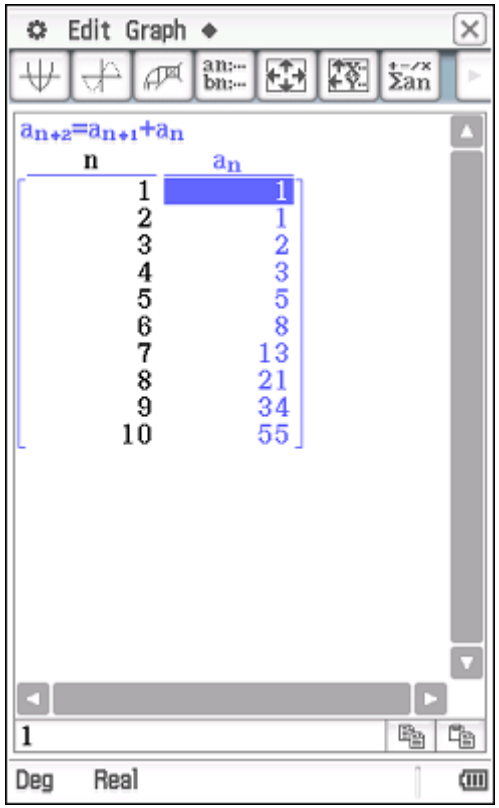
Tap  .

Tap **Resize**.

The first ten terms are displayed.







ClassPad II Help Series	Casio Education Australia - supporting Australian teachers	www.casio.edu.shriro.com.au	Author	Charlie Watson
CP803	Fibonacci Type Sequences		Date	April 2015
			CPII OS	02.00.2000.0000

Tap  .

Tap **Zoom, Auto**.

The ten terms are plotted and scaled to fit the window.

Tap ⊠ to close the graph window.

Tap  .

Use Start and End to set the first term as **1** and last term as **20** and then tap **OK**.

Tap ▼ and choose the middle option.

Tap **Resize**.

The ratio of the first ten terms are displayed and can be seen to start approaching the value of golden ratio of $\frac{1+\sqrt{5}}{2}$.

Tap ⊠ to close the window and return to the sequence editor.