

# Table – of values.

*This resource was written by Derek Smith with the support of CASIO New Zealand. It may be freely distributed but remains the intellectual property of the author and CASIO.*

Select TABLE mode from the main menu by using the arrow keys to highlight the TABLE icon or pressing 7.



A table of values, finding the numerical values from a given formula or function.

i.e  $y = 3x + 1$  can generate this table

x	1	2	3
$y = 3x + 1$	4	7	10

Or a sequence  $\langle a_n \rangle = 5n^2 - 4$

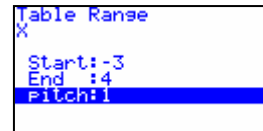
n	1	2	3
$5n^2 - 4$	1	16	41

**Example:** Generate a table of values for the relationship  $y = 2x + 7$  for  $-3 \leq x \leq 4$

**Answer:** Enter the relationship into the **Y1** space, press **EXE** to store.



To enter in  $-3 \leq x \leq 4$ , enter into **RANGE** press **F1** [N.B. the pitch is, how big are your steps in moving from one x value to another.]



**EXIT**, then **F6** for the table of values.

x	Y1
-3	1
-2	3
-1	5
0	7

x	Y1
1	9
2	11
3	13
4	15

Giving you the table –

x	-3	-2	-1	0	1	2	3	4
$y = 2x + 7$	1	3	5	7	9	11	13	15

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