

Sequence and Series

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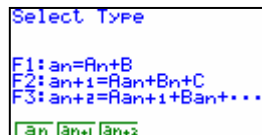
Select RECUR mode from the main menu by using the arrow keys to highlight the RECUR icon or pressing 8.



You will get one of the following screens



Push **F3** to get:



then **F1** to get



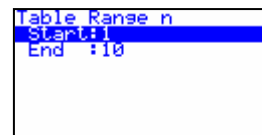
Example: Find the first 10 terms of the sequence $\langle a_n \rangle = \langle 2n + 3 \rangle$

Answer:

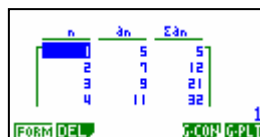
Type in: $2n + 3$



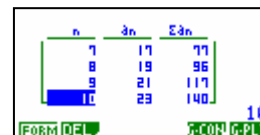
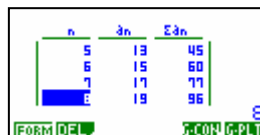
then set up the range of values for n from $n = 1$ to $n = 10$ by selecting **F5** and typing **1 EXE 10 EXE**, then **EXIT**



Selecting **TABLE F6**



By scrolling you can see the remaining values of the sequence.



Giving the answer $\langle a_n \rangle = \langle 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, \dots \rangle$

[N.B. That the third column on the worksheet has a $\sum a_n$ this is accessed through the **SET UP** via **SHIFT MENU** and adjusting the appropriate settings for Sigma \sum display.]

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