

TI-Nspire Hidden Faces Programme

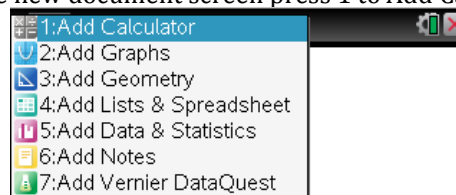
Step 1

Turn on the TI nSpire CX calculator and create a new document by pressing 1 on the home screen.



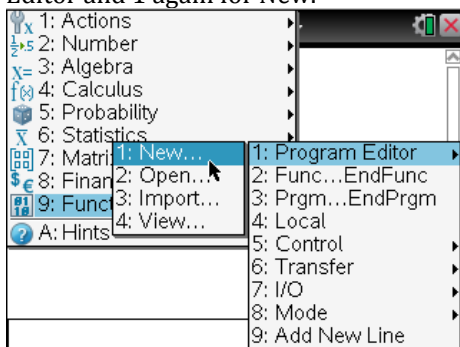
Step 2

From the new document screen press 1 to Add Calculator.



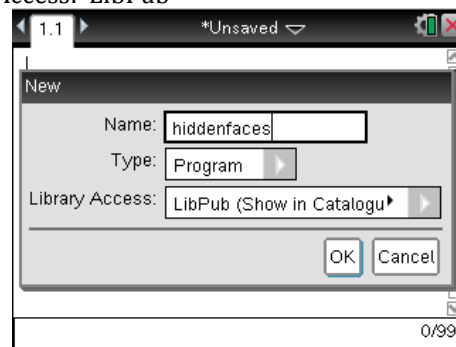
Step 3

Press Menu then 9 for Functions and Programmes, 1 for Program Editor and 1 again for New.



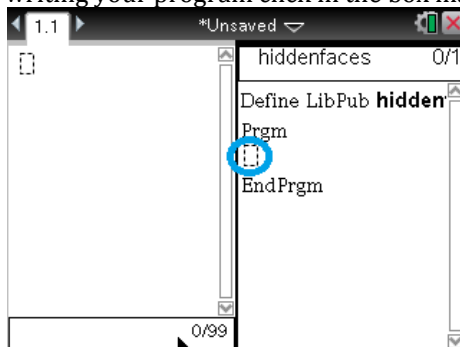
Step 4

Create a new file called hiddenfaces, Type: Program, Library Access: LibPub



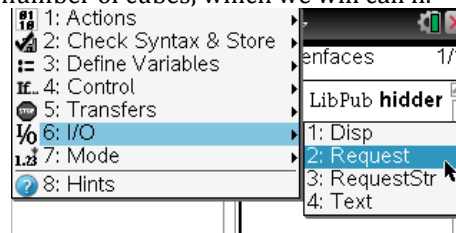
Step 5

To begin writing your program click in the box marked.



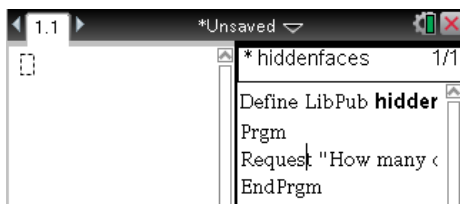
Step 6

Press Menu for programing options, Press 6 for I/O and 2 for Request. This requests an input from the user, in this case the number of cubes, which we will call n.



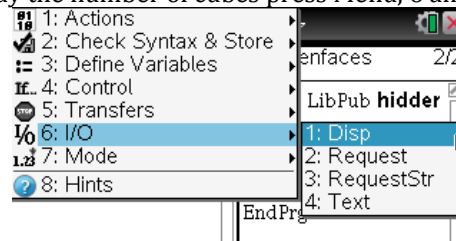
Step 7

Use the key pad to type "How many cubes?",n
The computer stores the number of cubes as the variable n.



Step 8

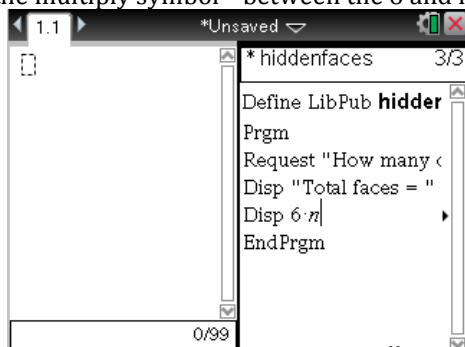
To display the number of cubes press Menu, 6 and 1.



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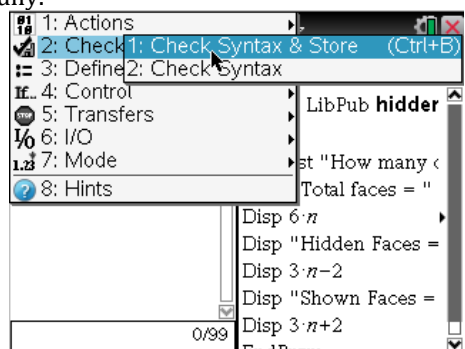
Step 9

Type "Total faces = "
 Disp 6*n
 This tells the computer the total faces = 6n. Remember to include the multiply symbol * between the 6 and n.



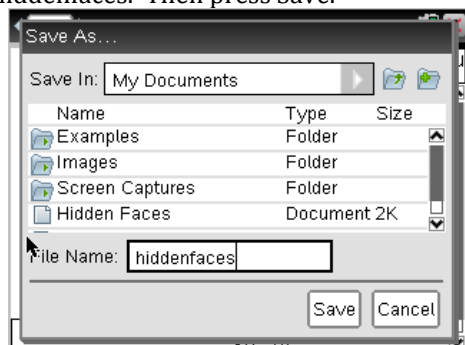
Step 11

To store and check the program is written correctly press Menu, 2 to Check Syntax and Store then 1.
 If it is correct the display will read "hiddenfaces" stored successfully.



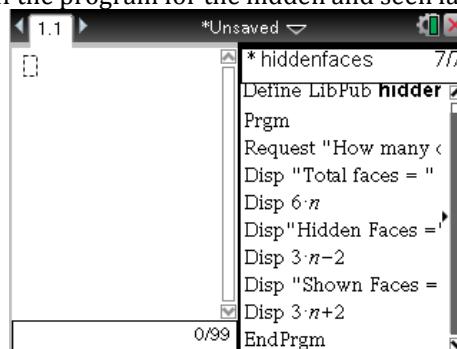
Step 13

Save as hiddenfaces. Then press Save.



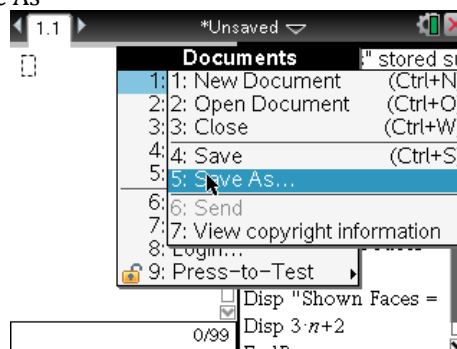
Step 10

Finish off the program for the hidden and seen faces.



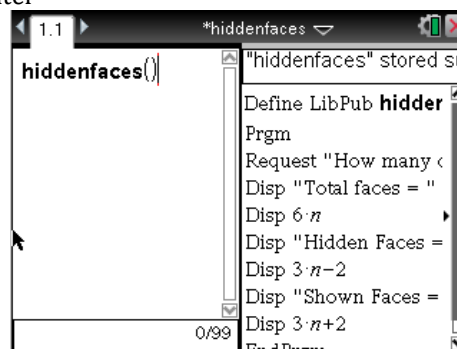
Step 12

To save the program press the doc key, press 1 for file and 5 to Save As



Step 14

To run the program type the file name in the field at the top of left screen. Remember to include the brackets. Press Enter



Enter the number of cubes and press OK.