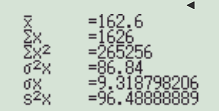
**Standard Deviation using a Casio fx-83GT CaIculator**

**1. From a List:** Calculate the standard deviation of the following data from census at school showing the heights of a sample of 10 students from 5th year.

165, 165, 150, 171, 153, 171, 153, 153, 166, 179

1. Press MENU, then 2(Statistics ), then 1(1-Variable)
2. Input the data into the column.( Press = after inputting each data item)
3. When they are all entered press OPTN
4. Choose 3( 1-Variable Calc)
5. σx is the value for standard deviation  
     
   

Note: If you arrow down the calculator gives the median, Q1, Q3 and more.

**2. From a Frequency Table:** Calculate the standard deviation of number of goals scored from the data in the frequency table below.

|  |  |
| --- | --- |
| Goals scored in match | Frequency |
| 0 | 4 |
| 1 | 9 |
| 2 | 6 |
| 3 | 7 |
| 4 | 2 |

1. Press SHIFT then MENU, the arrow down and press 1 (Statistics )
2. Press 1 to turn Frequency On.
3. Press MENU, 2(Statistics ), 1(1-Variable)
4. Input the data into the columns.( Press = after inputting each data item)
5. When they are all entered press OPTN
6. Choose 3( 1-Variable Calc)

