**Finding Standard Deviation using the Scientific Calculators**

Using the hp 30s scientific calculator

Using the data set 1, 2, 3, 4,5, 5, 6, 7, 8, 9, 10, 10, 12, 12, 13, 14.

Turn on

Mode1 – select - 1-VAR – enter

DATA

1↓↓, 2↓↓, 3↓↓, 4↓↓, 5↓↓,5↓↓, 6↓↓, 7↓↓, 8↓↓, 9↓↓, 10↓↓, 10↓↓, 12↓↓, 12↓↓, 13↓↓, 14↓↓

σ

The average and standard deviation are both shown in the STATVAR menu. Press STATVAV to display the average and then → to display the population standard deviation (σx).

n = 16 = 7.5625 σx = 3.9365

To clear the data ready for the next calculation press Mode, 1, ←, enter.

CASIO fx-82 calculator

Using the data set 1, 2, 3, 4,5, 5, 6, 7, 8, 9, 10, 10, 12, 12, 13, 14.

Turn calculator on

Press Mode – 2 and 1 to select 1 variable Statistics

Enter the data in the list down, then press AC

Press shift 1 (STAT) and then 4 – you have the information there (1 is the number of pieces of data - n), (2 is the mean-average), (3 is the σx – population standard deviation) – to go back to get each bit of information you need to press shift 1 (STAT) and then 4 again.

n = 16 = 7.5625 σx = 3.9365

To clear the data press Mode 1 to go back to computation then mode, 2, 1 to go back into Stats.

SCHOLAR SC-250MX calculator

Using the data set 1, 2, 3, 4,5, 5, 6, 7, 8, 9, 10, 10, 12, 12, 13, 14.

Turn calculator on

Press Mode – 2 to select 1 variable Statistics

To enter the data input each number and press the DT (M+) button after each number.

Press shift 1 (S-SUM) and then 3 for the number of pieces of data - n, Press shift 2 (S-VAR) and then 1 is the mean-average, Press shift 2 (S-VAR) and then 2 is the σx – population standard deviation

n = 16 = 7.5625 σx = 3.9365

To clear the data press Shift CLR (Mode), 1 (Sc1) then = to clear the statistical memory.