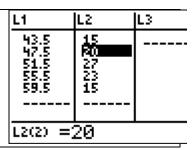# Mean & Standard Deviation of a Frequency Distribution
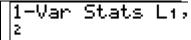
1. Find each class midpoints and enter them into **L1**.
2. Enter corresponding frequency of each class midpoints into **L2**.

3. Do not mix & match or sort any of these lists at any time.
4. Now continue with the following steps of TI buttons.

Mid points in **L1** and Corresponding frequency in **L2**.	L1 L2 L3 43.5 15 47.5 20 51.5 27 55.5 23 59.5 15 ------ ------ L2(2) =20

Press **STAT**, then select **CALC**, then select **1-Var Stats**, then **2nd 1** for **L1**, then enter **,** (It is directly above 7), then **2nd 2** for **L2**, then press **ENTER**.	1-Var Stats L1, 2

Here is the final answer. You may arrow down to see more results.	1-Var Stats x̄=51.62 Σx=5162 Σx²=269069 Sx=5.131168375 σx=5.10544807 ↓n=100