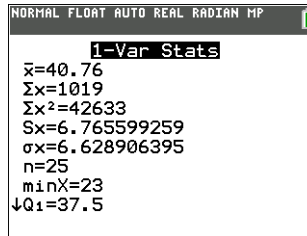


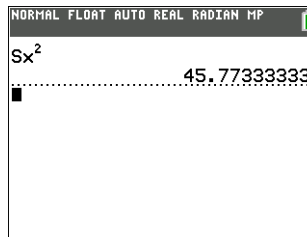
Technology Insight 5 - Measures of Variation

Ti-84

The standard deviation of the sample and for the population are given when computing 1-Var Stat:



Sx is the *sample* standard deviation: $s = 6.77$, and σx is the *population* standard deviation: $\sigma = 6.63$. The variance is not given, but can be computed by squaring the standard deviations. Statistical values are automatically stored in the calculator. Press VARS **vars**, scroll down to 5: Statistics, and choose 3: Sx and square it. This will give the sample variance.



EasyStats

EasyStats displays the sample variance and standard deviation as well as the population variance and standard deviation on the Descriptive Statistics page:

Descriptive Statistics		
	Var1	Var2
1	42	
2	42	
3	38	
4	42	
5	46	
6	34	
7	40	
8	23	
9	41	
10	38	
11	39	

	Var1	Var2
Mean \bar{x} =	40.7600	
Sample st.dev. s =	6.7656	
Sample Variance s^2 =	45.7733	
Population st. dev. σ =	6.6289	
Population Variance σ^2 =	43.9424	

Five Number Summary	
Min=	23
Q1=	37.5
Med=	42