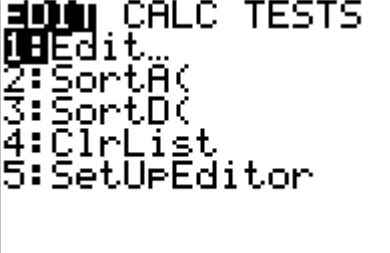
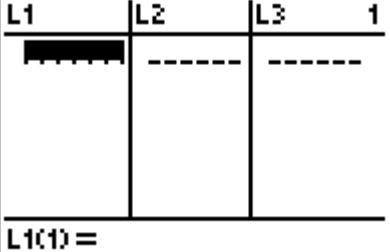
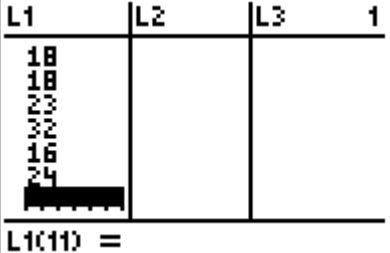
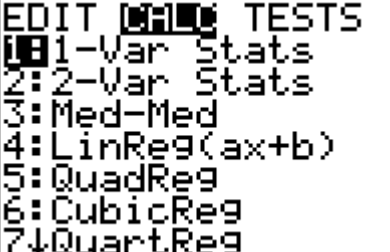
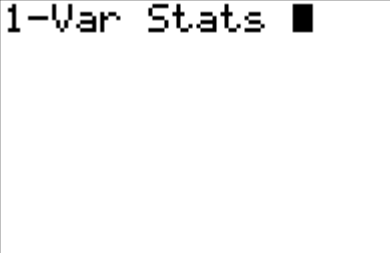


# TI Instructions

## How to find the variance:

Steps	Instructions	Screen Shots
1	Press <b>STAT</b>	
2	Press <b>ENTER</b>	
3	Key in 12, 23, 17, 25, 18, 18, 23, 32, 16, and 24. Make sure to press <b>ENTER</b> after each one to store the data into <b>L1</b> .	
4	Press <b>STAT</b> , then arrow to the right once.	
5	Press <b>ENTER</b> to select <b>1:1-VAR Stats</b> .	

6	Press <b>2<sup>nd</sup> 1</b> to select <b>L1</b>	1-Var Stats L1	
7	Press <b>ENTER</b> to perform the calculation.	1-Var Stats $\bar{x}$ =20.8 $\Sigma x$ =208 $\Sigma x^2$ =4620 $Sx$ =5.711586664 $\sigma x$ =5.418486874 $\downarrow n$ =10	
8	Arrow down several times to view the rest of the calculations.	1-Var Stats $\uparrow n$ =10 min $X$ =12 $Q_1$ =17 Med=20.5 $Q_3$ =24 max $X$ =32	
9	Press <b>CLEAR</b> to clear the display screen.		
10	Press <b>VARS</b>	<del>1:1-Var</del> Y-VARS 1: Window... 2: Zoom... 3: GDB... 4: Picture... 5: Statistics... 6: Table... 7: String...	
11	Press <b>5</b> for <b>5:Statistics</b>	<del>1:1-Var</del> $\Sigma$ EQ TEST PTS 1: $\bar{x}$ 2: $\Sigma x$ 3: $Sx$ 4: $\sigma x$ 5: $\sigma$ 6: $S_y$ 7: $\sigma_y$	

12	Press <b>3</b> for <b>3:Σx</b> followed by <b>X<sup>2</sup></b>	Σx <sup>2</sup>	
13	Press <b>ENTER</b>	Σx <sup>2</sup> 32.62222222	
14	To get this result in fraction form Press <b>MATH</b> followed by <b>1</b> for <b>1:►Frac</b>	<pre> MATH NUM CPX PRB 1:►Frac 2:►Dec 3:► 4:►√( 5:►√ 6:fMin( 7:↓fMax( </pre>	
15	Press <b>ENTER</b> twice	Σx <sup>2</sup> 32.62222222 Ans►Frac 1468/45	

If you want to find population variance, follow same steps except in step 12 choose **4** for **4:σ<sub>x</sub>** .