

Standard Deviation by hand.

Make a chart: Find the mean \bar{X} or μ

	$x - \mu$	$(x - \mu)^2$		
X	$x - \bar{x}$	$(x - \bar{x})^2$		
How many entries N or n	Data Entries	Deviation		
			Deviation squared	
				$\sum (x - \bar{x})^2$ ← Find the sum

$$\sigma = \sqrt{\frac{\sum (x - \mu)^2}{N}} \quad (\text{Population})$$

$$S = \sqrt{\frac{\sum (x - \bar{x})^2}{n-1}} \quad (\text{Sample})$$

Pg 91 #13
Pg 92 #15