

## CHAPTER 20 - ESTIMATING THE MEAN OF DATA IN CLASSES

### TI-84 Plus

To estimate the mean of the data alongside, enter the mid-interval values into **List 1**, and the frequency values into **List 2**.

Score	0 - 9	10 - 19	20 - 29	30 - 39	40 - 49
Frequency	2	5	7	27	9

Press **[STAT]** **[>]** **1: 1-Var Stats** **[2nd]** **1 (L1)** **[,]** **[2nd]** **2 (L2)** **[ENTER]**.

So, the mean score is approximately 31.7.

L1	L2	L3	2
4.5	2		
14.5	5		
24.5	7		
34.5	27		
44.5	9		
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L2(6) =			

1-Var Stats
$\bar{x}=31.7$
$\Sigma x=1585$
$\Sigma x^2=55252.5$
$Sx=10.10960344$
$\sigma x=10.0079968$
$n=50$