mple 1

r teacher will show you how to use a calculator to find the mean and standard deviation for the following set of da

t of eight men have heights (in inches) as shown below.

67.0 70.9 67.6 69.8 69.7 70.9 68.7 67.2

cate the mean and standard deviation you obtained from your calculator to the nearest hundredth.

an: $\bar{x} = \frac{551.8}{8} = 68.98$ in

ndard Deviation: $S_x = 1.59$ in

calculator key strokes

You don't have this - pre-example

To find standard deviation:
1) STAT, ENTER enter data in L1
2) STAT -> CALC, ENTER, ↓ Calculate, ENTER
   $\bar{x} = \Sigma x / n$
   $S_x =$ ← sample standard deviation

(σx = population std. dev)

Exercise 1

1. The heights (in inches) of nine women are as shown below.

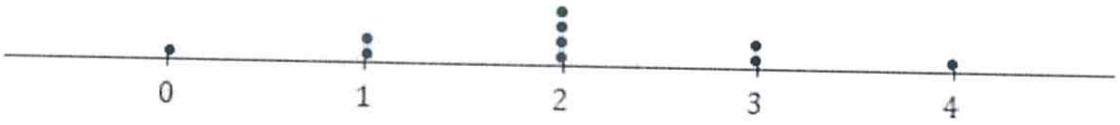
68.4 70.9 67.4 67.7 67.1 69.2 66.0 70.3 67.6

Use the statistical features of your calculator or computer software to find the mean and the standard deviation of these heights to the nearest hundredth.

Mean: $\bar{x} = \frac{614.6}{9} = 68.29$ questions

Standard Deviation: $S_x = 1.58$ questions

#2



Number of Questions Answered

2. Use the statistical features of your calculator to find the mean and the standard deviation of the data set.

Mean: $\bar{x} = \frac{20}{10} = 2$ questions

Standard Deviation: $S_x = 1.15$ questions