Standard Deviation Worksheet NA	ME	HOUR	
Today we are going to learn about S mean, median, mode, and range.	TANDARD DEVIATION. Fir	st let's review what we already l	know about
1) MEAN:			
2) MEDIAN:			
3) MODE:			
4) RANGE:			
If we have the following list of number	ers, let's find the mean, med	ian, mode, and range.	
2, 3, 5, 7, 8, 10, 11, 11, 13, 15, 17, 1	8		
5) MEAN: 6) MEDI		: 8) RANGE	
•	on, we need to use the STA utton again and go to the CA re is a chart to help you und	the STANDARD DEVIATION.	enter the list and press e
$\sigma x = Standard deviation$	σx =		
Med = Median	Med =		
Range = MaxX-MinX	Range =		
11) What does the standard deviation	n mean in this case?		
12) Answer each question using the 123, 100, 111, 124, 132, 154, 1			
Mean =		What does the standard deviation mean in this case?	
Median=	this case?		
Standard deviation=			
Range=			

13) Answer each question using the list below 4, 5, 8, 1, 2, 3, 9, 8, 7, 6, 2			
Mean =	What does the standard deviation mean in		
Median=	this case?		
Standard deviation=			
Range=			
14) Answer each question using the list below 23, 10, 11, 24, 32, 15, 13, 16			
Mean =	What does the standard deviation mean in		
Median=	this case?		
Standard deviation=			
Range=			
15) Answer each question using the list below 3123, 1040, 1511, 2124, 1332, 2154, 5132, 6160			
Mean =	What does the standard deviation mean in this case?		
Median=			
Standard deviation=			
Range=			
16) Answer each question using the list below 4, 8, 6, 10, 16, 14, 12, 18			
Mean =	What does the standard deviation mean in this case?		
Median=			
Standard deviation=			
Range=			

## **Answers**

- 1) MEAN: The average of a set of numbers
- 2) MEDIAN: The middle number when a list is written in order. If there are two middle numbers, the

median is the average of those two numbers

- 3) MODE: The most frequent number in a list. In the case of multiple modes, the list is said to have no mode.
- 4) RANGE: The difference between the largest and smallest numbers in a list of numbers.

5) MEAN:10 6) 10.5 7) MODE:11 8) RANGE16

11) What does the standard deviation mean in this case? The numbers in the list are an average of 5.21 units a from 9.9

12) Mean =129.5

Median=128

Standard deviation=18.8

Range=60

What does the standard deviation mean in this case? The numbers in the list are an average of 18.8 units at from 129.5

13) Mean =5

Median=5

Standard deviation=2.66

Range=8

What does the standard deviation mean in this case? The numbers in the list are an average of 2.66 units at from 5

14) Mean =18

Median=15.5

Standard deviation=7.14

Range=22

What does the standard deviation mean in this case? The numbers in the list are an average of 7.14 units at from 18

15) Mean =2822

Median=2139

Standard deviation=1754.16

Range=5120

What does the standard deviation mean in this case? The numbers in the list are an average of 1754.16 units away from 2822

16) Mean = 11

Median=11

Standard deviation=4.58

Range=14

What does the standard deviation mean in this case? The numbers in the list are an average of 4.58 units away from 11