

Name _____
Date _____

Finding Measures of Central Tendency

1. Find the Mean, Median Mode and Range for this Data Set

Test Scores	Test Scores
86%	65%
78%	78%
91%	78%
65%	79%
86%	84%
78%	85%
95%	86%
85%	86%
79%	91%
84%	95%
Total	827%

Mean	82.7%
Median	84.5%
Mode	78%, 86%
Range	30

2. Find the Mean and Median for this Data Set. Explain why there is a large variance between these measures of Central Tendency.

Age of Students	ordered	Mean	22.2
18	17	Median	19.0
17	18	Explanation	The Outlier, 46, distorts the Mean.
20	19		
19	19		
46	19		
22	20		
19	20		
20	22		
19	46		
200			

3. Calculate the Mean and Range of each of these data sets. Explain what the Range tells us about each data set.

Day	Sales Store A	Sales Store B	Mean	Store A	Store B
Mon	\$875.00	\$462.15	Mean	\$903.93	\$903.93
Tues	\$926.15	\$328.45	Range	\$400.53	\$2,550.32
Weds	\$756.22	\$650.25	Explanation	Store B's sales are higher on weekend. Store A's sales aren't affected by weekend.	
Thurs	\$1,156.75	\$329.33			
Fri	\$798.35	\$496.36			
Sat	\$915.40	\$2,879.65			
Sun	\$899.65	\$1,181.33			
Total	\$6,327.52	\$6,327.52			