Cornell Notes	Topic/Ol	ojective: Determine the Mean Absolute	Name:	
AVID°	Deviation (MAD) and use this quantity as a measure of		Class/Period:	
	the average distance data are from the mean Dat		Date:	
Essential Question:				
Questions:		Notes:		
		The Mean Absolute Deviation (MAD) of a set of data is the average distance the data are		
		from the mean.		
		→ Calculate the mean by _ Adding	all the numbers in the data set, then	
		dividing by the number of numbers.		
»\		→ Distance is always positive.		
		Steps for Calculating MAD:		
•		1. Calculate the mean of the data		
1 20		2. Plot data on a		
		3. Count the Astance from each piece of data to the circled mean.		
		HINT: Write the distance next to each dot on the dot plot in a new color		
		4. Find the mean of the distances.		
		Example 1: Find the Mean Absolute Deviation for		
		1) Calculate mean of data: 0 + 2 + 2 + 3 + 3 + 8	4+5+5 = 7 = 5	
		2) Plot data on dot plot; circle mean		
		- , , , (c. c. c		
		3	0 0 0	
			(3) 11 5	
		3) Count distance from each piece of data to circled mean (write on dot plot in new color)		
		4) Find mean of the distances 311+1+0	$\frac{10+11+2+2}{8} = \frac{10}{8} = 1.25$	
7 - 12 - 40		MEAN ABSOLUTE DEVIATION IS 1.25		

