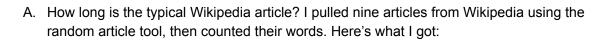
Name:	
Date: _	

## Practice quiz 3

No calculator allowed section



63 441 27 296 247 157 40 556 175

For this sample, calculate:

- A. The median.
- B. The midrange.
- C. The mode.
- D. Given that the mean is 222.44, compare and contrast the different measures of center. How are they similar? How are they different? What do they tell you?
- E. Make a box plot of the data. Make sure to label scale, quartiles, and outliers clearly.

F. Make a histogram of the data in #1.

G. What is something you notice about the distribution on the box plot you don't notice on the histogram as easily?

	H.	What is something you notice about the distribution on the histogram you don't notice on the box plot as easily?	
Calculator allowed section			
2.	Fo	For the data set in #1, calculate:	
	A.	The range.	
	В.	The IQR.	
	C.	The standard deviation.	
	D.	Given that the MAD is 144.5, compare and contrast the different measures of spread. How are they similar? How are they different? What do they tell you?	
	E.	Describe the distribution of the sample of Wikipedia articles using SOCS.	
3.	<ol> <li>Calculate the percent change if last year you had \$50 in your bank account and this year you have \$58.</li> </ol>		
4.	Calculate the percentile of the tenth best scoring essay in a class of 25 students. (Be careful!)		
5.		lculate the z-score of a person scoring 90 points on a test that had a mean of 82 points d a standard deviation of 3.5 points.	