STA2023					
Broward College					
Find the mean for the given sam	ole data. Unless indic	cated otherwise, round your	answer to one more decin	nal place than	
is present in the original data val	ues.				
1) The students in Hugh Logan's math class took the Scholastic Aptitude Test. Their math scores are					
shown below. Find the mean score.					
588 563 357 34	1 526				
344 346 644 470) 482				
A) 466.1	B) 457.0	C) 475.6	D) 476.0		
Find the median for the given sa	mple data.				
2) The temperatures (in de	egrees Fahrenheit) in	7 different cities on New Yea	ar's Day are listed below.	2)	
17 22 39 58 67	69 85				
Find the median tempe	rature.				
A) 51°F	B) 58°F	C) 67°F	D) 39°F		
3) The ages (in years) of th	ne eight passengers or	a bus are listed below.		3)	
6 1 20 15 25 4 Find the median age	0 32 32				
A) 24.5 yr	B) 23 yr	C) 26 yr	D) 21.5 yr		
Find the mode(s) for the given sa	imple data.				
4) 20 36 46 36 49 36 49					
A) 49	B) 38.9	C) 36	D) 46		
Find the midrange for the given	sample data.				
5) 49 52 52 52 74 67 55 55					
A) 53.5	B) 12.5	C) 25	D) 61.5		

Find the mean of the data summarized in the given frequency distribution.

6) The test scores of 40 students are summarized in the frequency distribution below. Find the mean
 6) ______

Score	Students			
50-59	6			
60-69	5			
70-79	6			
80-89	11			
90-99	12			
A) 79.0	I	B) 75.1	C) 74.5	[

Find the range for the given sample data.

7) Rich Borne teaches Chemistry 101. Last week he gave his students a quiz. Their scores are listed
7) below.
26 31 47 29 37 20 43 41 50 55 37 22

A) 11	B) 55	C) 20	D) 35
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Find the variance for the given data. Round your answer to one more decimal place than the original data.				
8) 19 5 20 6 2 A) 93.8	B) 71.3	C) 71.2	D) 57.0	8)
Find the standard deviation for the	e given sample data. Rour	nd your answer to or	ne more decimal place than i	s present in
9) 18 18 14 11 8 8 10 A) 4.0	17 12 B) 4.3	C) 3.8	D) 1.6	9)
Find the coefficient of variation fo	or each of the two sets of c	lata, then compare th	ne variation. Round results to	o one decimal
place. 10) Listed below are the syst men aged 60-69	olic blood pressures (in m	m Hg) for a sample c	of men aged 20-29 and for a s	ample of
Men aged 60-69: 13 Men aged 60-69: 13	7 125 133 118 131 12 0 151 138 125 164 13'	3 9		
Find the standard deviation of the 11) The test scores of 40 stud	data summarized in the g lents are summarized in th	iven frequency dist e frequency distribu	ribution. tion below. Find the	11)
standard deviation. Score Students 50-59 6				
60-69 6 70-79 5				
80-89 6 90-99 17				
A) 13.9	B) 14.6	C) 16.2	D) 15.4	
Use the empirical rule to solve the 12) The systolic blood pressu	e problem. ure of 18-year-old women	is normally distribu	ted with a mean of 120	12)
systolic blood pressure b	petween 96 mmHg and 144	mmHg?		
A) 95%	B) 68%	C) 99.7%	D) 99.99%	
13) At one college, GPA's are What percentage of stud	e normally distributed wit ents at the college have a (h a mean of 3.1 and a GPA between 2.5 and	a standard deviation of 0.6.	13)
A) 84.13%	B) 95%	C) 68%	D) 99.7%	
Find the number of standard devia 14) Mario's weekly poker wi	ations from the mean. Rou innings have a mean of \$32	and your answer to t 23 and a standard de	wo decimal places. viation of \$50. Last week he	14)
A) 2.92 standard devia C) 1.46 standard devia	ations above the mean ations above the mean	B) 2.92 standard D) 1.46 standard	deviations below the mean deviations below the mean	
Find the percentile for the data va	lue.			
15) Data set: 51 34 47 67	66 62 36;			15)
A) 57	B) 43	C) 50	D) 20	

Find the indicated measure.

16) L	Jse the	given	sample	data	to find Q ₃ .	
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5	•	0		
49 52	52 52 74	67 55 55		
A) 55.0		B) 67.0	C) 61.0	D) 6.0

Construct a boxplot for the given data. Include values of the 5-number summary in all boxplots. 17) The weights (in pounds) of 30 newborn babies are listed below. Construct a boxplot for the data set. 17)

16) _____

