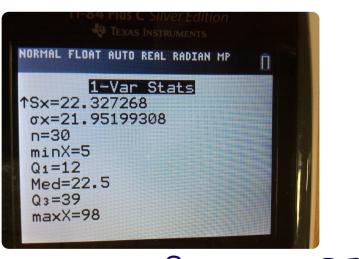
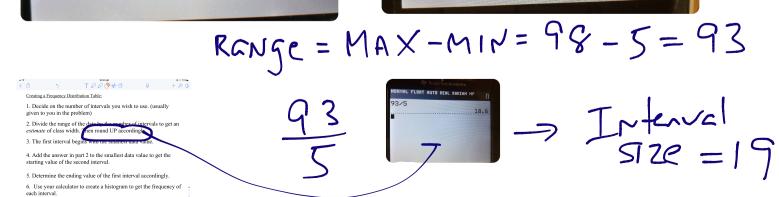
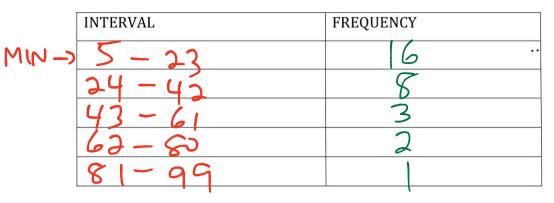
25	12	53	8	26	5
6	21	14	19	12	15
13	37	11	51	39	32
98	23	45	22	7	9
29	20	32	62	80	41

NUNTINE FLU		
	1-Var Sta	ts
x=28.9		
Σx=867		
Σx2=39	513	
Sx=22.		
σx=21.	95199308	
n=30		
minX=5		
↓Q1=12		

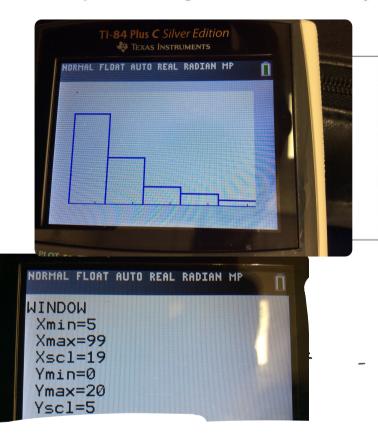


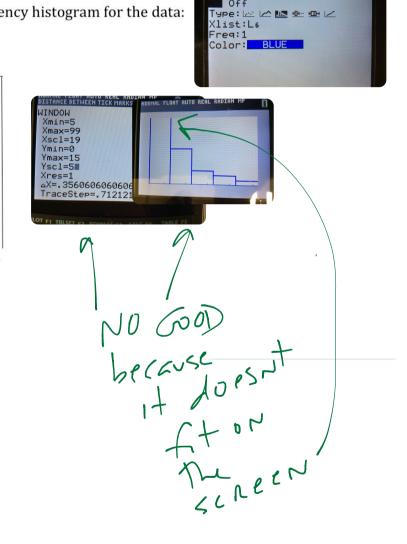


3) Create a frequency distribution for the data Using 5 intervals



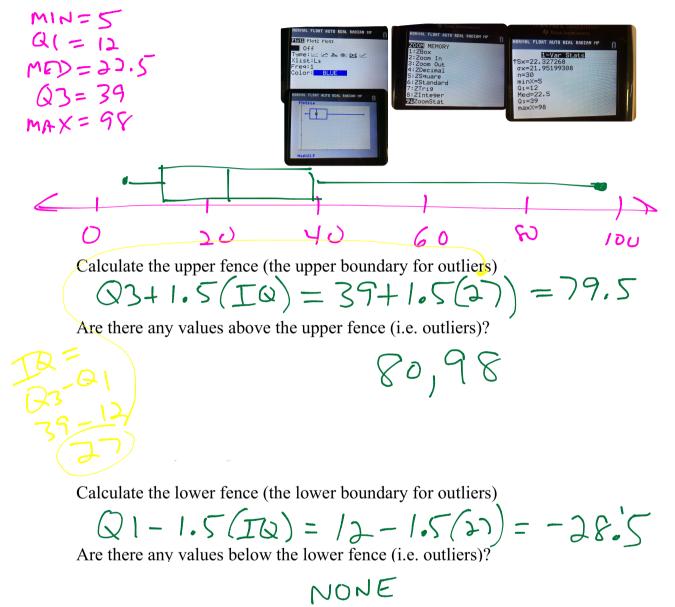
4) Create a histogram and a cumulative frequency histogram for the data:





NORMAL FLOAT AUTO REAL RADIAN MP

Plot1 Plot2 Plot3 Off Calculate the five number summary for each data set. Identify if the data set contains any outliers and construct a box and whisker plot to display the data.

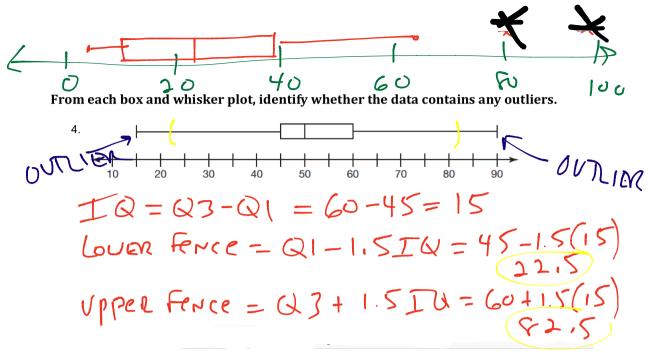


, find any outliers that may exist and then draw a modified boxplot.

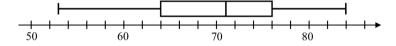
1

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Exercise **#5:** Twenty of Mr. Greco's physics students recently took a quiz. The results of this quiz are shown in the following box-and-whiskers diagram. Assume that all scores are whole numbers.



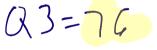
(a) What was the median score on Mr. Greco's math quiz?



(b) What was the range of the scores on Mr. Greco's math quiz?



(c) What score was greater than or equal to 75% of all other scores on this quiz?



(d) Mr. Greco regularly sets the passing grade on his quizzes to be the score of the lower quartile. What is the passing grade on this quiz?

Exercise **#6:** Which of the following box-and-whiskers diagram shows a data set with the greatest median?

$$(1) \underbrace{\downarrow}_{0} \underbrace{\downarrow}_{20} \underbrace{\downarrow}_{40} \underbrace{\downarrow}_{60} \underbrace{\downarrow}_{60} \underbrace{\downarrow}_{0} \underbrace{\downarrow}_{0} \underbrace{\downarrow}_{10} \underbrace{\downarrow}_{10} \underbrace{\downarrow}_{10} \underbrace{\downarrow}_{20} \underbrace{\downarrow}_{10} \underbrace{\downarrow$$

The following data represents the prices of 20 boxes of cookies at a supermarket:

\$ 2.89	\$ 2.95	\$ 1.75	\$ 3.15
\$ 2.99	\$ 3.19	\$ 2.95	\$ 2.99
\$ 1.95	\$ 3.09	\$ 1.95	\$ 3.09
\$ 1.99	\$ 1.99	\$ 1.99	\$ 2.00
\$ 2.74	\$ 1.80	\$ 2.95	\$ 5.75

(a) Create a stem and leaf plot for the data.

STEM	LEAF	
רו 18 19 גם גם	5 0 5 5 9 9 9 0	
212222222222222222222222222222222222222	4 9 55599 99 59	57/5 = \$\$5.75