

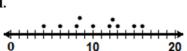
Describing Data

1. Which dot plot below shows the most variation and which shows the least variation?

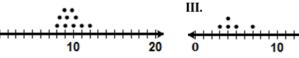
A. LEAST VARIATION (close together)

B. MOST VARIATION (far apart)

I.

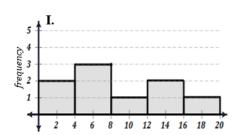


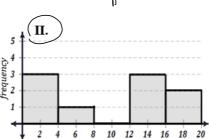
II.

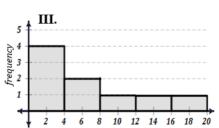


2. Match each data set with the appropriate histogram shown at the right.



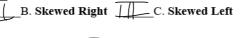




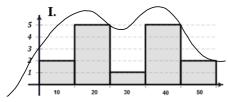


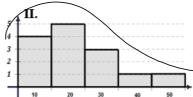
3. Match each distribution name with each histogram shown below.

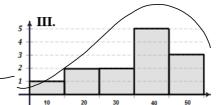
✓ A. Symmetric Normal

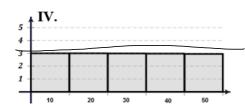


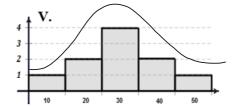
D. Bi-modal E. Uniform

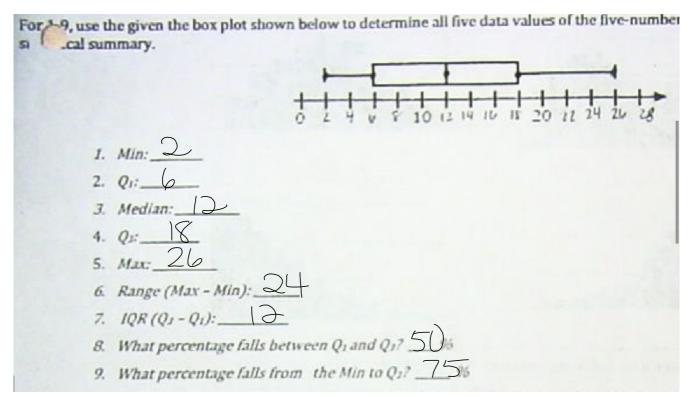


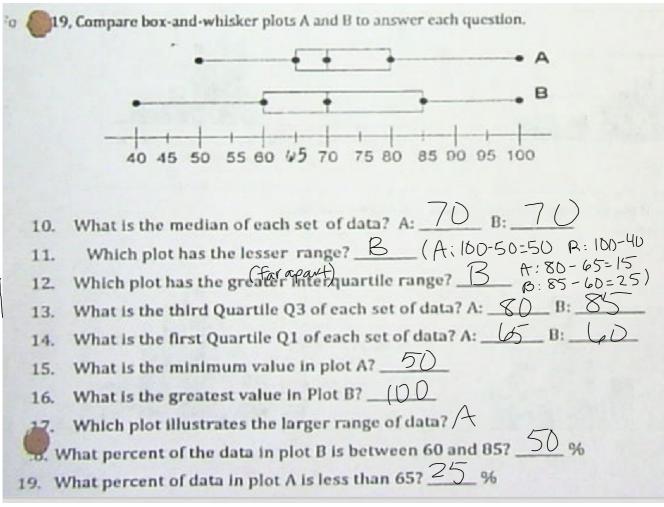


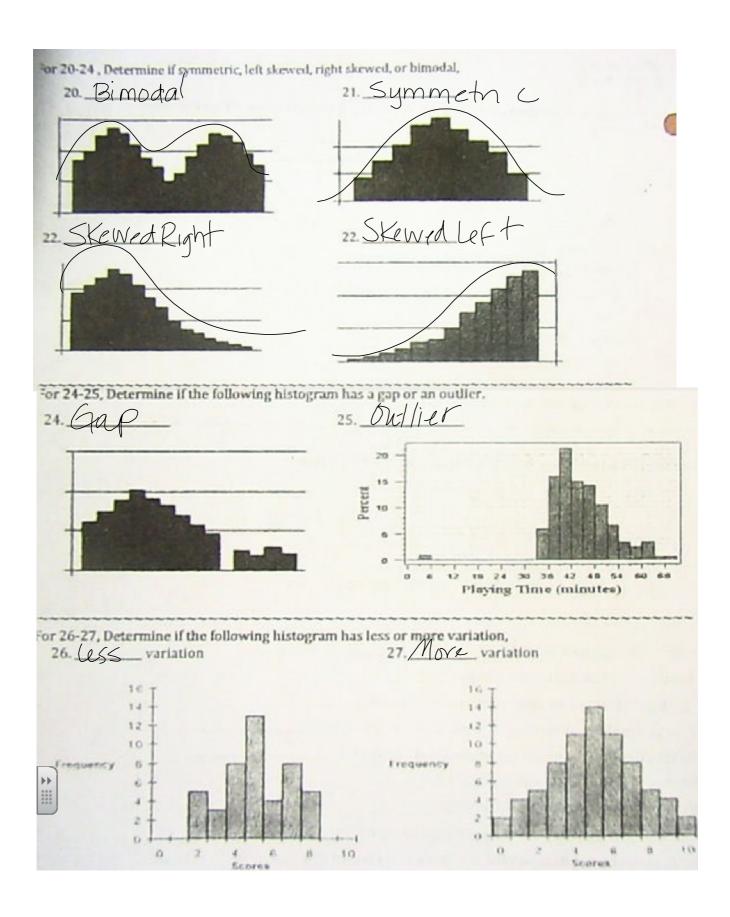












Histograms	Name	

1. Chocolate candies per bag of trail mix:

50	42	45	61	68	55	40	45
60	55	40	45	62	50	44	63

Mean
$$\bar{X}$$
 = _____ Mode (if any) = _____ Range (Max – Min) = _____

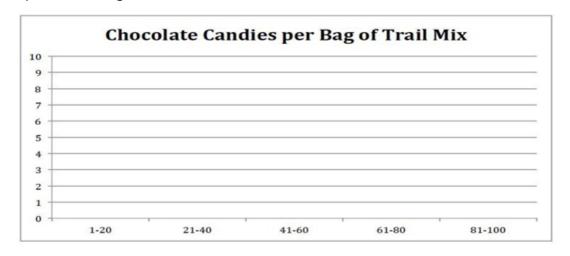


c) Fill in the frequency table.

Frequency table:

Interval	# of values
1-20	
21-40	
41-60	
61-80	
81-100	

d) Draw the histogram.



2. Test scores, out of 100points

-	98	100	90	75	78	70	72	80	
	85	92	90	95	80	78	85	85	
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a) Calculate: Mean \bar{X} = _____ Mode (if any) = _____ Range (Max – Min) = _____

b) Identify the five Number summary. The draw a box and whisker plot.

Min = _____ Q1 = ____ Median = ____ Q3 = ____ Max = ____



c) Fill in the frequency table.

_

d) Draw the histogram.

Test scores						
_						
_						
+						
+						
_						
						,

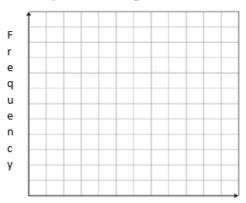
3. A survey was taken that asked people about their height in inches. The data are shown below.

52, 56, 58, 59, 61, 62, 64, 64, 65, 66, 66, 67, 67, 68, 68, 69, 69, 70, 70, 71, 72, 73, 74, 78,

a) Complete the frequency table below.

Interval	Frequency
51-55	
56-60	
61-65	
66-70	
71-75	
76-80	

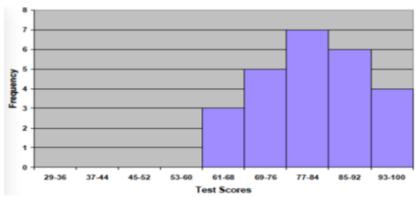
b) Plot the histogram.



- c) Answer the questions below:
 - i) How many heights are in the 66-70 interval? _____
 - ii) How many people in the survey are taller than 5 feet? _
 - iii) How many people in the survey are shorter than 5 feet? _____
 - iv) What interval has the greatest number of heights? _____
 - v) How many people were surveyed? _____

Height Intervals

- 4. The histogram below shows the scores for Mrs. Warren's first block class at North Paulding High school. If an 85 is the lowest score a student can earn to receive a B, how many students received <u>AT LEAST</u> a "B".
 - a) 4
 - b) 6
 - c) 10
 - d) 15



For 5-7, Describe the shape of the distribution below (Left skewed, Right Skewed, or Symmetric).

5. _____

6.

7. _____

