

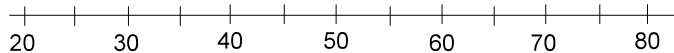
STA 2e: Sect. 2.1 Worksheet
DOTPLOTS, STEMPLOTS AND HISTOGRAMS

Name _____

For #1 – 9: Use the following information: At one particular Virginia high school, the math department consists of 20 teachers. Their ages are as follows:

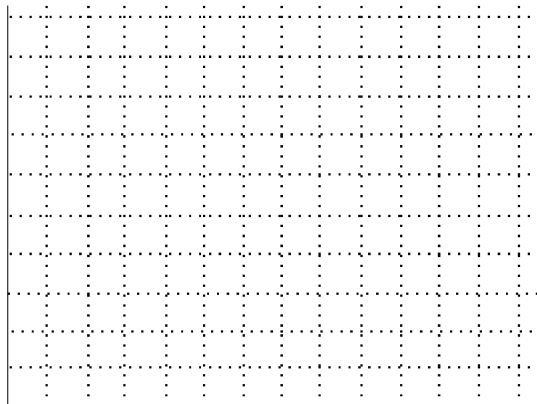
54 58 60 43 35 32 47 28 33 42 65 73 44 27 32 35 28 25 48 33

1. Construct a dotplot for the data.
2. Construct a stemplot for the data.



3. Complete the frequency table below and construct the corresponding histogram.

Class	Count
25 to < 34	
34 to < 43	
43 to < 52	
52 to < 61	
61 to < 70	
70 to < 79	



4. Describe the shape: roughly symmetric, roughly skewed left, roughly skewed right, or no discernible shape.
5. Describe the spread of the distribution.
6. What is the center of the distribution? (Hint: look at the original data set)
7. Do there appear to be any obvious outliers? If so, name them.
8. What is the width of each class in the histogram?
9. Could this data set be represented by a pie graph? Why or why not?

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