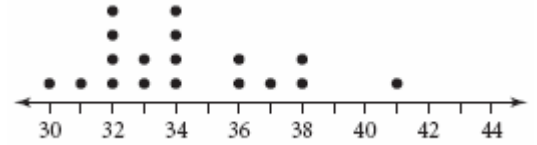


Quiz 1.4 Makeup

- 1) Using the dot-plot at the right, list the numbers in order from least to greatest.



- 2) What is the range of the data?
- 3) What is the IQR of the data?
- 4) Find the five-number summary of the data.

\_\_\_\_\_      \_\_\_\_\_      \_\_\_\_\_      \_\_\_\_\_      \_\_\_\_\_  
 Minimum       $Q_1$       Median       $Q_3$       Maximum

- 5) Estimate the mean and explain how you arrived at your answer in a sentence or two.
- 6) Make a box plot of the data directly below the dot plot using the same scale that is given.
- 7) Make a histogram of the data below using a bin-width of two.



- 8) Suppose you are given the data below about how well students did on two different forms of the same quiz:

Form A 68 79 69 73 72 71 75 75 83 81 77 81 81 84 77 83 73 77 75 71 74 83 76 73 76 69 68 73 75  
 Form B 74 76 74 69 74 72 69 77 70 69 79 81 67 75 76 78 73 79 85 67 66 74 74 70 70 75 79 71 69

Explain how Mr. Towne could determine if one of the forms of the quiz was easier than the other using the types of graphs we have used this chapter so far.