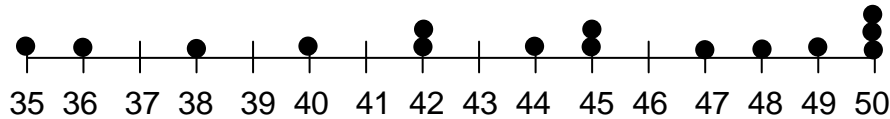


Algebra 1B
Practice: Dot Plot and Histogram

Name _____
Block _____ **Date** _____

The following dot plot represents scores on a math project in Mr. Jones' Geometry class.



1. How many data points are in this dot plot?
2. Determine the mean of the data.
3. Determine the median of the data.

The following data was collected in a survey asking the number of CD's owned by students.

16, 22, 25, 18, 21, 17, 18, 17, 19, 20, 19, 22, 19, 18, 20, 19, 20, 21, 19, 25, 24

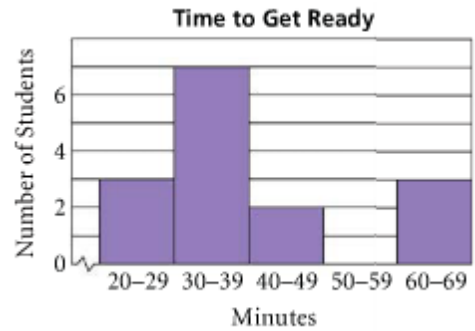
4. Make a dot plot for the data set.
5. Determine the mode of the data.

Nathan asked his classmates to estimate the number of hours they spend doing homework each week. The following data shows the results of his survey.

9, 4, 8, 2, 7, 3, 5, 6, 1, 4, 7, 6, 8, 5, 6, 5, 6, 7, 11, 14, 6

6. Make a dot plot for the data set.
7. Determine the range of the data.
8. Determine the standard deviation of the data.

Students answered a survey question about how long it takes them to get ready in the morning. The histogram at the right shows the survey results.



- 9. Which interval indicates the answers most students gave?
- 10. How many students answered the question?
- 11. How many students take less than 40 minutes to get ready?
- 12. Why might no students have given an answer of 50-59 minutes?
- 13. With the information you have, could you redraw the current histogram with intervals half their current size? Explain why or why not.

An internet company surveyed their users. The first 25 people who responded gave the ages shown below.

14. What intervals would you use to make a histogram?

25	43	65	12	8
30	44	68	18	21
25	33	37	54	61
29	31	38	22	48
19	34	55	14	21

15. Make a frequency table for this data.

16. Make a histogram to display the data.

