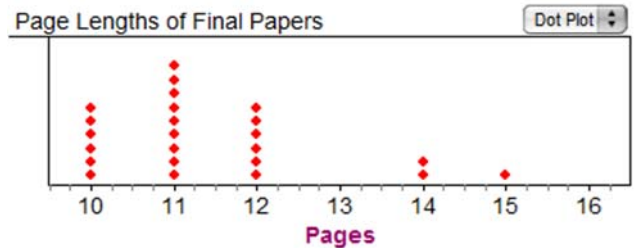


Sections 1.1 to 1.4 Review

Directions: Write out the answers to these questions onto another sheet of paper. I will not collect this worksheet – it will be yours to study from. At the end of class, your group will turn in all of your work together in one pile.

- 1) The dot plot here shows the lengths of final papers in their history course.



- How many students wrote final papers?
- How many students wrote papers longer than the median?
- What was the mode number of pages?
- What is the range of the data?

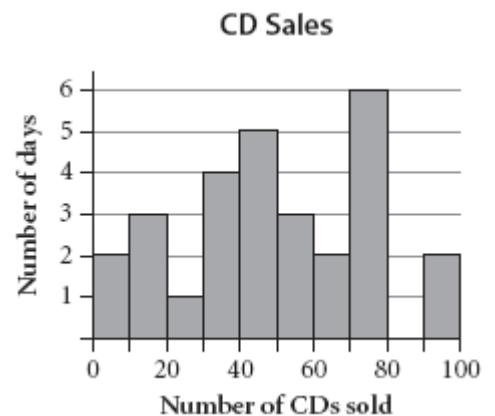
- 2) The following table shows the number of points earned by the students in my class on the last quiz.

Points	3	5	7	8	9	10
Number of Students	1	1	2	5	4	3

- Make a dot plot of the data.
- Estimate the mean of the data and explain how you arrived at your answer in a sentence or two.

- 3) Laurel took a survey of the number of coins eight students had in their pockets. The minimum was 7, the mode was 11, the median was 10, and the range was 9. Create a data set that fits this description.

- 4) The owner of an independent record shop monitored CD sales over a period of days. This histogram shows the results.



- Find the total number of days included in this data set.
- For how many days were fewer than 20 CDs sold?
- For how many days were at least 50 but fewer than 80 CDs sold?
- Explain the empty 80–90 interval.
- Construct another histogram for this data set using intervals of 20 rather than 10.

5) Dori did a survey of how many states the members of her class had visited. The results were

10 15 23 2 20 31 14 10 8 19 8 42 15 22 6 34 19 3 24 17 11

- a. Find and write out the five-number summary
- b. Make a box-plot of the information
- c. Make a stem-and-leaf plot of the results.

6) The table shows the results of a study that found the distance each of 191 buses traveled before its first major engine failure.

- a. Construct a histogram for this data.
- b. How many buses traveled at least 100,000 mi before major engine failure?
- c. If an engine warranty covered the cost of repair only for less than 80,000 mi, how many of the buses would have been repaired under the warranty?

Distance Travelled	Number of Buses
0–19	6
20–39	11
40–59	16
60–79	25
80–99	34
100–119	46
120–139	33
140–159	16
160–179	2
180–199	2

7) The first chapter exam is on Wednesday. How will you prepare for the exam?