

Name: _____
 Date: _____
 Class: _____

Algebra
 Unit 11
 HW 11-2

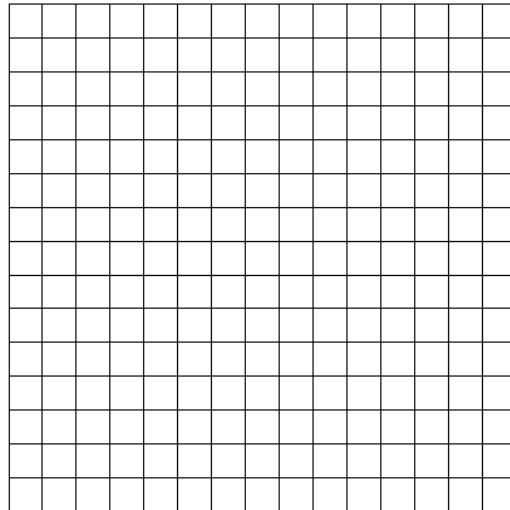
1) Using the data below (which is the total number of points scored by a basketball team in each of their games). Fill in the table and construct a histogram for the data.

76, 55, 76, 64, 46, 91, 65, 46, 45, 53, 56, 53, 57, 67, 58, 64, 67, 52, 58, 62

(a) Complete the frequency table below.

POINTS SCORED	TALLY	FREQUENCY
40 - 49		
50 - 59		
60 - 69		
70 - 79		
80 - 89		
90 - 99		

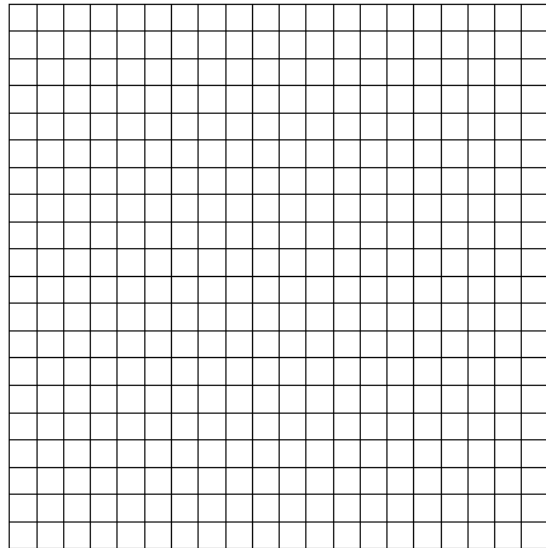
(b) Construct the histogram below.



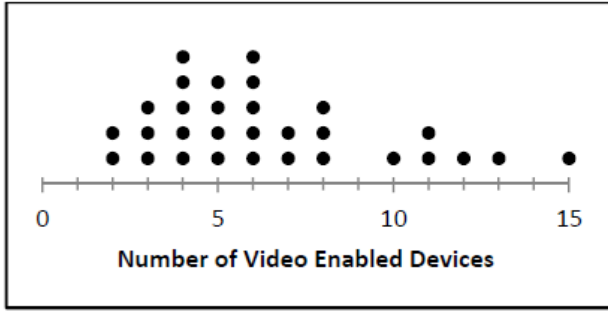
2)

A random survey of 100 cars found the following frequency distribution for the fuel efficiency of the car, as measured in miles per gallon. Construct a histogram below that effectively shows the distribution of this data set.

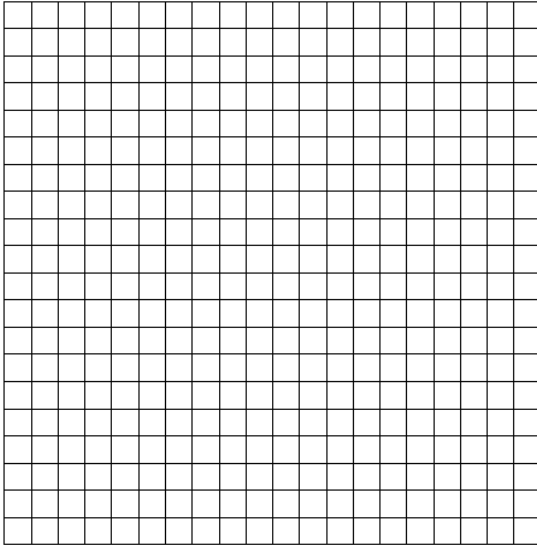
Fuel Efficiency (miles per gallon)	Number of Cars
10 to 14	4
15 to 19	17
20 to 24	36
25 to 29	24
30 to 34	10
35 to 39	6
40 to 44	3



3) Find the mean, median, and mode for the data represented in the following dot plot.



4) Using the dot plot from #3 – create a cumulative frequency histogram using intervals that are 3 numbers wide (ex: 0 – 2).



5) Calculate the mean, median, and mode for this data:

3, 5, 8, 8, 12, 16, 17, 20, 24

6) Construct a dot plot for the following data:

Number of Accidents	Number of People
0	6
1	8
2	4
3	1
11	1