

NAME:

UNIT 10 DAY 8

HOMEWORK



Dot plots, data distribution, and central tendency

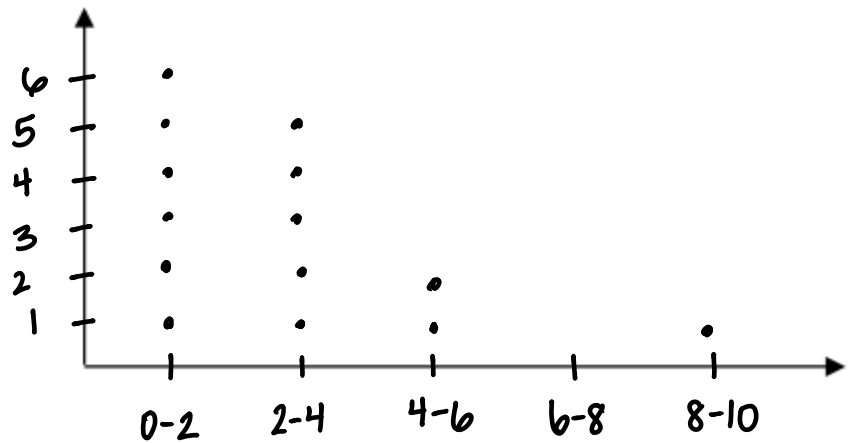
1) The following data represents the number of siblings of students in a class.

3 / 2 / 1 / 0 / 2 / 4 / 1 / 1 / 2 / 2 / 1 / 1 / 0 / 9

Interval	Frequency
0-2	6
2-4	5
4-6	2
6-8	0
8-10	1

a) Fill in the frequency table.

b) Create a dot plot.



c) Which interval had the highest response?

0-2

d) How would you describe this distribution?

skewed right

e) What percentage of students have 5 or more siblings? $\frac{1}{14} = 7\%$

2) The data below represents the number of times a student asks to leave the room during a given class period.

3 / 2 / 1 / 5 / 8 / 4 / 4 / 2 / 4 / 1 / 0
 0 1 1 2 3 3 4 4 4 5 8

a) Find the mean of the data values. $\frac{35}{11} = 3.18$

b) Find the mode. 4

c) Find the median. 3