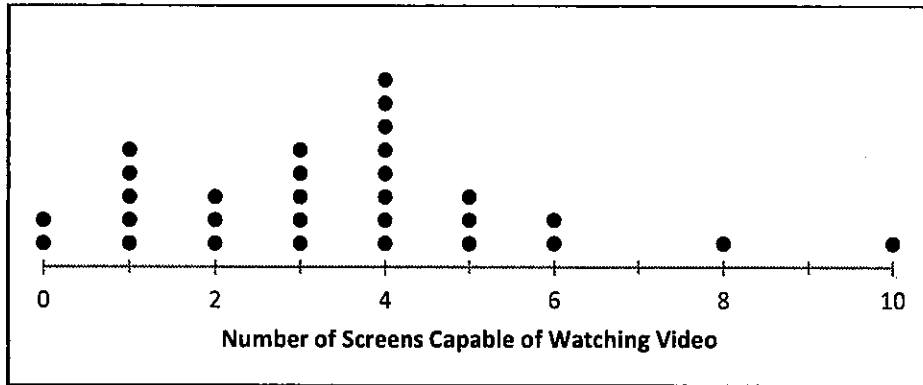


Name: \_\_\_\_\_

Date: \_\_\_\_\_

**GRAPHICALLY REPRESENTING DATA  
COMMON CORE ALGEBRA I HOMEWORK**

A local marketing company did a survey of 30 households to determine how many devices the household contained that family members watched video on (i.e. TV's, tablets, smart phones, etcetera). The dot plot of the responses is shown below.



- How many households have three devices capable of showing video on them?  
(1) 1                                      (3) 7  
(2) 2                                      (4) 5
- More households had 4 devices to watch video on than any other number. Which of the following is closest to the percent of households that have 4 devices?  
(1) 22%                                    (3) 27%  
(2) 34%                                    (4) 45%
- The marketing company would like to claim that the majority of households have either 3 or 4 screens capable of watching video on. Does the information displayed on the dot plot support this claim? Explain your reasoning.
- The same marketing company then surveyed 30 households that contained at least one teenager. The dot plot for the video enabled devices is shown below. The mean number of screens for the first survey was 3.4. Based on the second dot plot, do you think its mean will be higher or lower? Explain.

