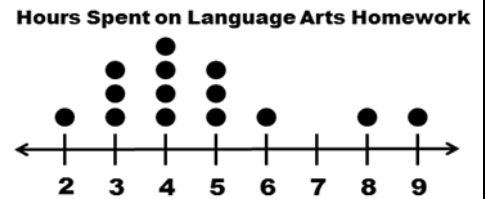# Comparing Dot Plots Notes
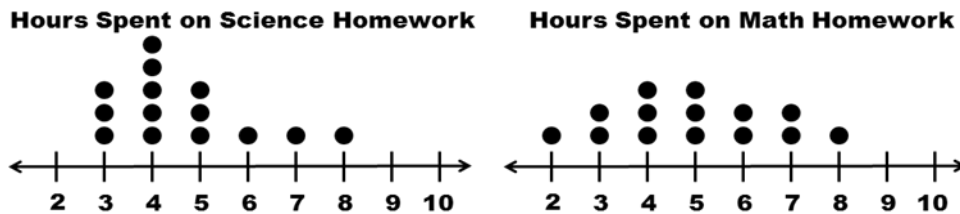
Name _____

Dot plot (Line plot): a method of visually displaying a distribution of data values where each data value is shown as a dot or mark above a number line

Hours Spent on Language Arts Homework

Vocabulary	Definition	From Above
Variability	an indication of how widely spread or closely clustered the data values are. Range, minimum and maximum values, and clusters in the distribution give some indication of variability	
Peak	being at the point of maximum frequency, intensity, use, etc.	
Cluster	a group of things or persons close together	
Skewed	asymmetry in a frequency distribution	

Example: The dot plots represent the number of hours students spent on their math and science homework in one week.
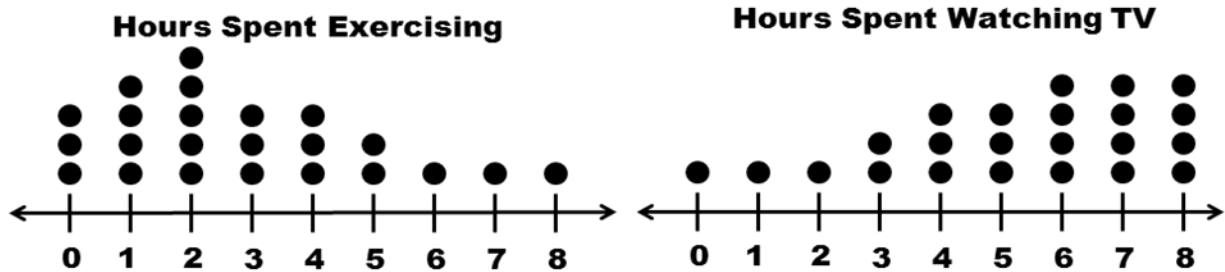
Hours Spent on Science Homework   **Hours Spent on Math Homework**

1. What is the difference in the median value for each set of data?	
2. How is the Science graph skewed?	
3. What comparisons can you draw from looking at the plots about the amount of time spent on homework?	
4. Does either graph show any clustering? What does that mean?	
5. Does either graph show a peak? What does that mean?	

The dot plots show the amount of time students spent exercising and watching TV in one week.

Hours Spent Exercising

Hours Spent Watching TV

0 1 2 3 4 5 6 7 8

0 1 2 3 4 5 6 7 8

1. What is the difference in the median value for each set of data?	
2. Is either graph skewed? If so, how?	
3. What comparisons can you draw from looking at the plots about the amount how students spend their time?	
4. Does either graph show any clustering? What does that mean?	
5. Does either graph show a peak? What does that mean?	