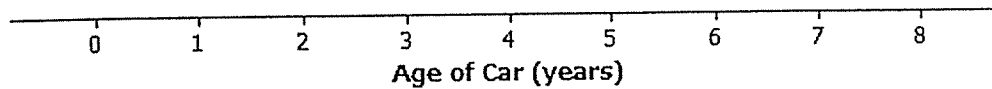
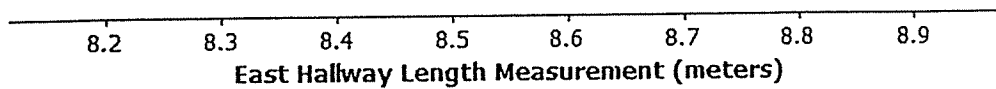
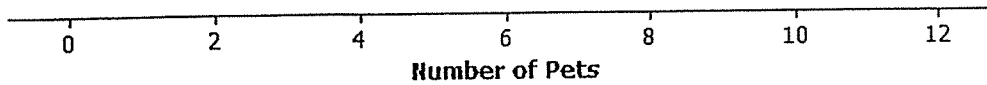


Name: _____

Hr: _____

Box

1. Make ~~dot~~ plot of each of the data sets. Use the following scales.



2. Calculate the mean number of pets owned by the thirty students from River City High School. Calculate the median number of pets owned by the thirty students.
3. What do you think is a typical number of pets for students from River City High School, the median or the mode? Explain why you made your choice.
4. Is the data skewed or symmetrical?
5. What is the mean length of the east hallway data set? What is the median length?

6. Is the data skewed or symmetrical?

7. A construction company will be installing a handrail along a wall from the beginning point to the ending point of the east hallway. The company asks you how long the handrail should be. What would you tell the company? Explain your answer.

8. Describe the distribution of the age of cars. Is it skewed or symmetrical?

9. What is the mean age of the twenty-five cars? What is the median age? Why are the mean and the median different?

10. What number would you use as an estimate of the typical age of a car for the twenty-five car owners, the mean or median? Explain your answer.

11. Decide whether you would use the standard deviation or the IQR to describe the measure of spread for each of the three data sets.
Explain why you made each decision.

