

1. A company has 30 sales representatives who sold the following number of units during 2011:

127	162	184	170	177
125	193	167	149	195
150	153	164	167	171
109	171	150	138	100
171	163	118	142	107
153	107	124	162	192

a) Find the following information for the data (round to the nearest tenth if necessary):

Mean = _____ Smallest Number = _____ Lower Quartile = _____

Median = _____ Largest Number = _____ Upper Quartile = _____

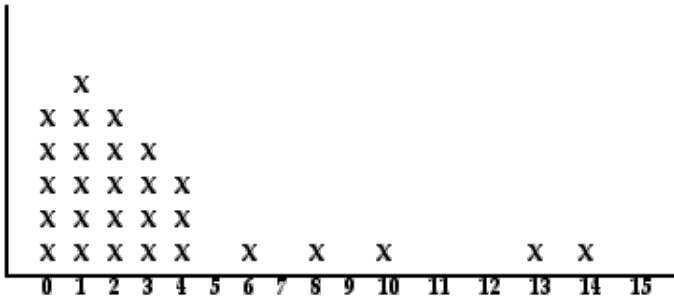
Standard Deviation = _____ Range = _____

b) Create a box n whisker plot for the data on the following number line:

c) If the top two salespeople leave the company to form their own company, by how much does the median of the data decrease (to the nearest tenth) ?

2. The following diagram represents the number of pets in households

line plot - number of pets in each household



The numbers represent the number of pets, the x's represent households with that number of pets

- a. Based on the diagram find the mode _____
- b. Based on the diagram what is the range? _____
- c. Based on the diagram what is the upper quartile?

- d. Based on the diagram what is the standard deviation?

- e. Based on the diagram what is the interquartile range?
