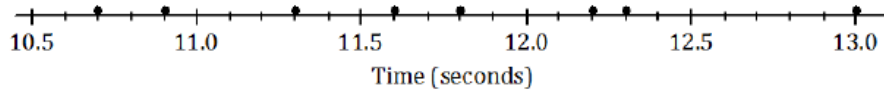
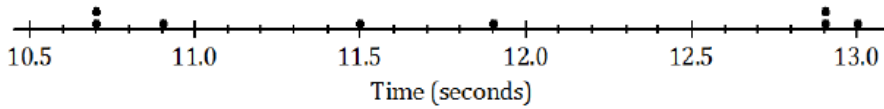


4. At a track meet there were three men's 100m races. The sprinters' times were recorded to the nearest 1/10 of a second. The results of the three races are shown in the dot plots below.

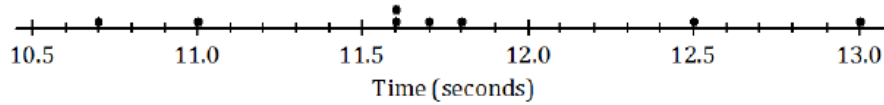
Race 1



Race 2



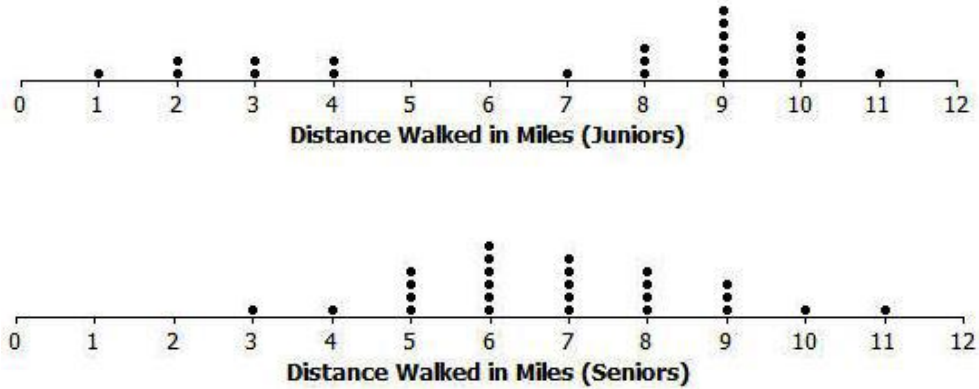
Race 3



a. Use your calculator to find the mean and the standard deviation for each of the three races. Write your answers in the table below to the nearest thousandth.

	Mean	Standard Deviation
Race 1		
Race 2		
Race 3		

5. Twenty-two students from the junior class and twenty-six students from the senior class at River City High School participated in a walkathon to raise money for the school's band. Dot plots indicating the distances in miles students from each class walked are shown below:



a) Estimate the mean number of miles walked by a junior and mark it with an "X" on the junior class dot plot. How did you estimate this position? Repeat the same steps for seniors.

b) What is the median of the junior data distribution? Senior distribution?

c) Is the mean number of miles walked by a junior approximately equal to, or different than the median number of miles? Explain. How about the seniors?

d) Would the mean or the median be better to describe the typical number of miles walked by a junior in this walkathon? How about the seniors?