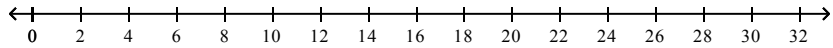


Station #4 – Review for Statistics Test

1. The following numbers represent the total points scored for a high school football team for each game during their season.

7 21 10 0 14 28 31 10 7 21

Create a box plot to represent this data:



Min:

Q1:

Median:

Q3:

Max:

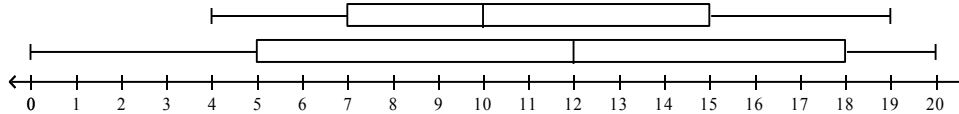
a. What percentage of games did they score less than 7 points?

b. What is the range?

c. What is the IQR?

d. How do you find the IQR?

2. The top box plot represents sophomores' hours on homework and the bottom box plot represents juniors' hours on homework for a week.



a. Find the IQR for both grade levels.

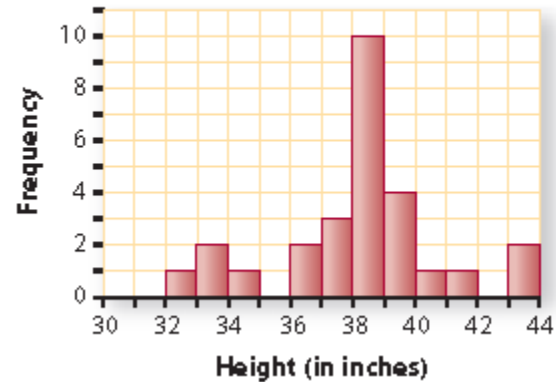
b. Which grade level had a larger spread?

c. What percentage of sophomores spent between 7 and 15 hours on homework?

d. What percentage of juniors spent more than 5 hours on homework?

3. This histogram displays the vertical jump, in inches, of 27 basketball players in an NBA draft. Complete the relative frequency table below.

Vertical Jumps



Jump Height	Frequency
32-33	
33-34	
34-35	
35-36	
36-37	
37-38	
38-39	
39-40	
40-41	
41-42	
42-43	
43-44	

4. The histogram shows the heights of young adult men in the United States. Will the mean be higher or lower than the median? Explain your answer.

5. Here are some heights of plants (in cm). Use the Calculator to find the mean and standard deviation of the plant heights. Round to the nearest tenth.

46 25 32 38 48 28 35 37 29 42 38 31 44 39 31