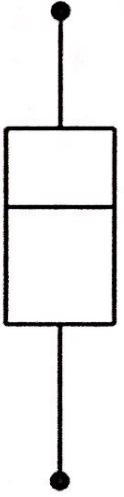


2) Use the box and whiskers plot to answer the following questions:

Total Points Scored by Basketball Players in 2018

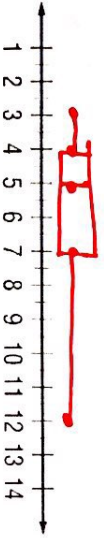


- a) Median = 11 b) Upper Quartile (Q3) = 18
 c) Maximum = 18 d) Minimum = 9
 e) Range = 18 - 9 = 9 f) Lower Quartile (Q1) = 11

Use the data given for each problem to find the requested information and make a box plot.

1) The number of pencils students have at school:
 {4, 7, 5, 3, 12, 6, 5}

3, 4, 5, 5, 6, 7, 12



Median: 5
 Q1: 4
 Q3: 6
 Lower Extreme (Minimum): 3
 Upper Extreme (Maximum): 12

2) Number of books read by the 6th grade teachers:
 {13, 8, 17, 10, 6, 11, 18}

6, 8, 10, 11, 13, 17, 18

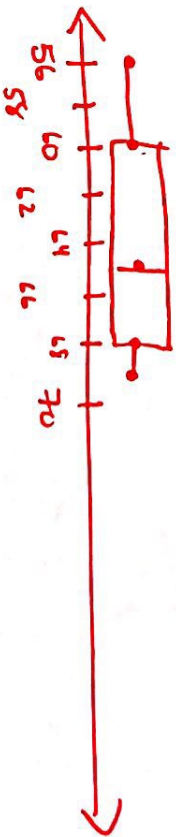


Median: 10
 Q1: 8
 Q3: 13
 Lower Extreme (Minimum): 6
 Upper Extreme (Maximum): 18

3) The heights of students on the soccer team, in inches, are: 56, 69, 60, 64, 63, 68, 68 and 66. Make a box plot for this data.

56, 60, 63, 64, 66, 68, 68, 69

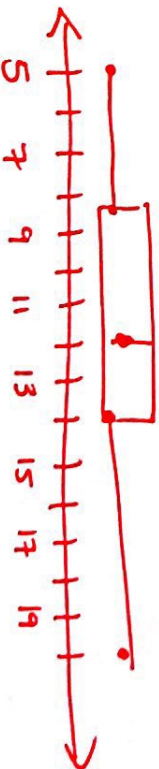
$\frac{64+66}{2} = 65$



Median: 65
 Q1: 63
 Q3: 68
 Lower Extreme (Minimum): 56
 Upper Extreme (Maximum): 69

4) The Young Fashionistas Club tallied up the total pairs of shoes that each member owns. Make a box plot of this data:

5, 6, 7, 7, 7, 8, 9, 11, 11, 12, 12, 12, 12, 12, 13, 13, 14, 14, 14, 18, 19, 20, 20



Median: 12
 Q1: 8
 Q3: 14
 Lower Extreme (Minimum): 5
 Upper Extreme (Maximum): 19