

WEEK 4 - MATH ASSIGNMENTS

April 13 – April 17

Dot Plots, Box Plot, Histograms

Monday, April 13

Assignment:

- **Watch Dot Plot Video#1 on finding the mode:**
<https://vividmath.co.uk/year-12/12-statistics-data-and-graphs/s12-create-and-interpret-dot-plots-line-plots/find-the-mode-from-a-dot-plot-01-6/>
- **Watch Dot Plot Video#2 on finding the range:**
<https://vividmath.co.uk/year-12/12-statistics-data-and-graphs/s12-create-and-interpret-dot-plots-line-plots/find-the-range-from-a-dot-plot-01-6/>
- **Watch Dot Plot Video#3 on finding the median:**
<https://vividmath.co.uk/year-12/12-statistics-data-and-graphs/s12-create-and-interpret-dot-plots-line-plots/find-the-median-from-a-dot-plot-01-6/>
- **Watch Dot Plot Video#4 on finding the mean:**
<https://vividmath.co.uk/year-12/12-statistics-data-and-graphs/s12-create-and-interpret-dot-plots-line-plots/find-the-mean-from-a-dot-plot-01-6/>
- **Watch Box-and-Whisker Plot Videos on even and odd amount of data values:**
<https://www.youtube.com/watch?v=fJZv9YeQ-qQ>
<https://www.youtube.com/watch?v=AndS0RLdxtk>
- **No written assignment.**

Calculator link: <https://www.desmos.com/fourfunction>

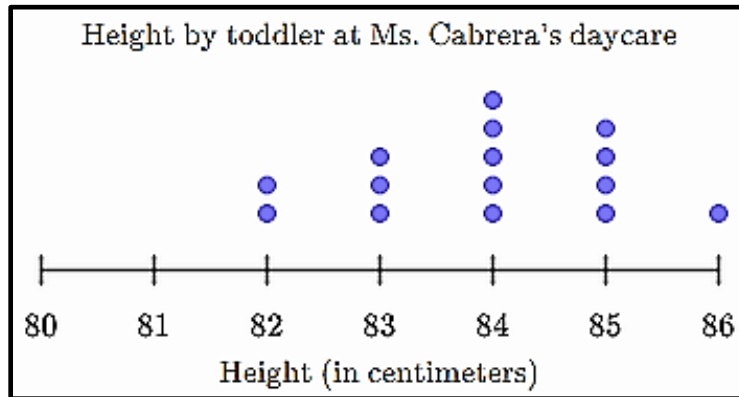
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Tuesday, April 14

Assignment: Complete problems 1 – 4 below.



Use the dot plot shown to answer the questions below.

- 1) What is the mode of the dataset?
- 2) What is the range of the dataset?
- 3) What is the median of the dataset?
- 4) What is the mean of the dataset?

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Wednesday, April 15

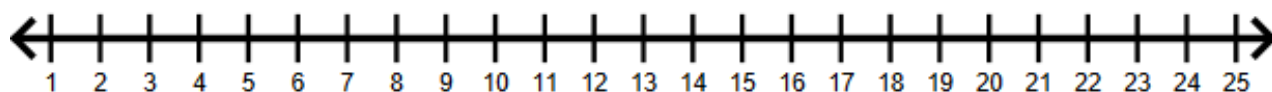
Assignment:

Create box plots for problems 1 – 3 below.

- 1) **12, 5, 3, 24, 14, 15, 8, 19, 17**

Minimum: _____ Maximum: _____

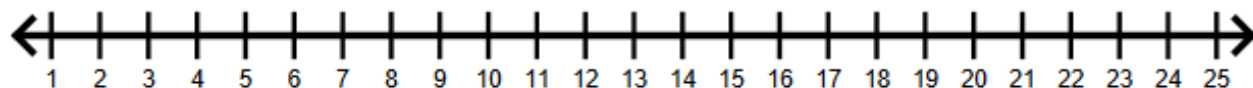
Q_1 : _____ Q_2 : _____ Q_3 : _____



- 2) **1, 23, 12, 25, 2, 4, 24, 9, 7, 5, 20, 11**

Minimum: _____ Maximum: _____

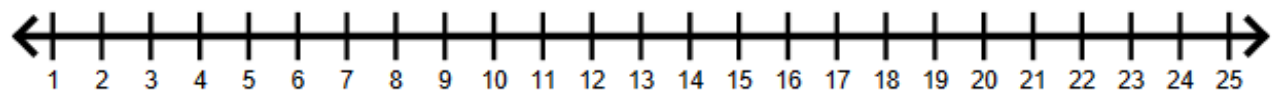
Q_1 : _____ Q_2 : _____ Q_3 : _____



- 3) **19, 15, 7, 18, 3, 11, 14, 5, 9, 4, 17**

Minimum: _____ Maximum: _____

Q_1 : _____ Q_2 : _____ Q_3 : _____



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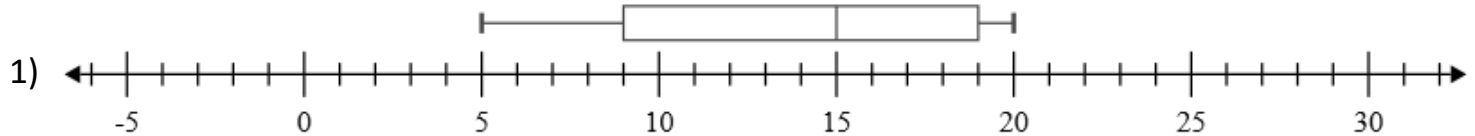
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Thursday, April 16

Assignment:

Find each of the values for problems 1 – 2 below.



Minimum:

Maximum:

Q1:

Q2:

Q3:

Range:

Interquartile Range (IQR):



Minimum:

Maximum:

Q1:

Q2:

Q3:

Range:

Interquartile Range (IQR):

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Friday, April 17

Assignment:

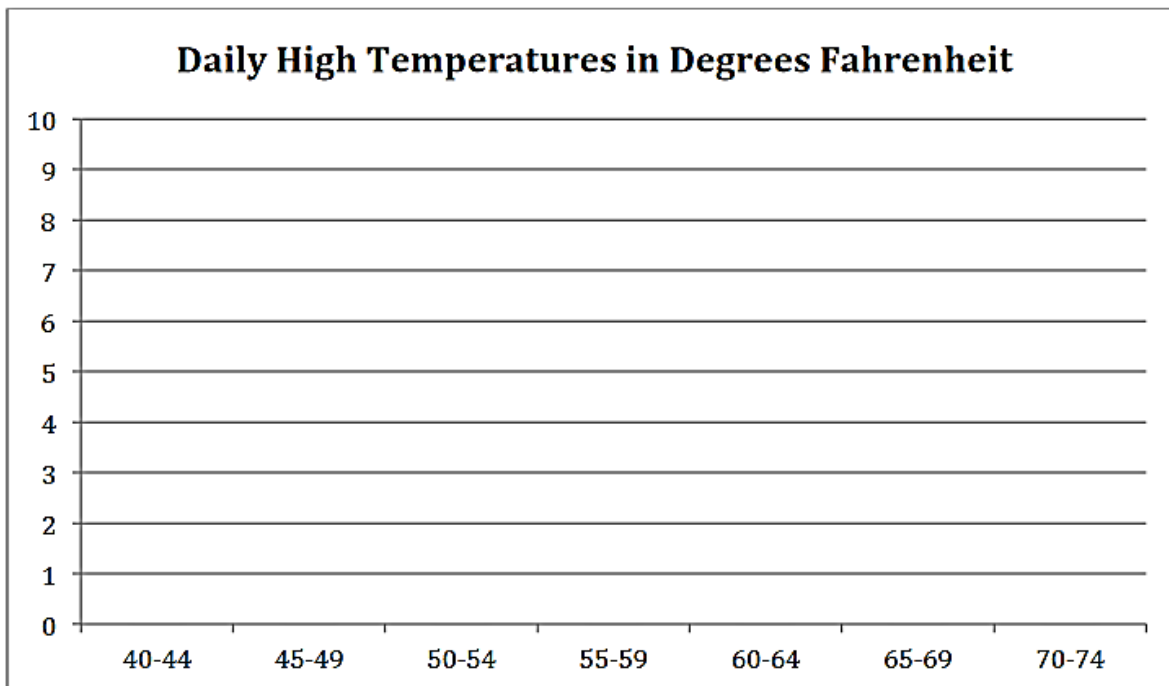
Complete the frequency table and make a histogram with the data given. Then answer the questions by looking at your histogram.

Daily high temperature in degrees Fahrenheit:

63 70 64 71 70 62 68 67 68 72 65
62 59 58 60 59 56 53 51 55 56 50
53 57 55 50 46 49 46 52 48

Frequency table:

Interval	# of values
40-44	
45-49	
50-54	
55-59	
60-64	
65-69	
70-74	



- 1) How many daily high temperatures were 60 degrees or above?
- 2) How many daily high temperatures were at most 49 degrees?