WEEK 4 - MATH ASSIGNMENTS
April 13 – April 17

Dot Plots, Box Plot, Histograms

<mark>Monday, April 13</mark>

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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<mark>Tuesday, April 14</mark>

Assignment: **Complete problems 1 – 4 below.**

Height by toddler at Ms. Cabrera's daycare

Height (in centimeters)
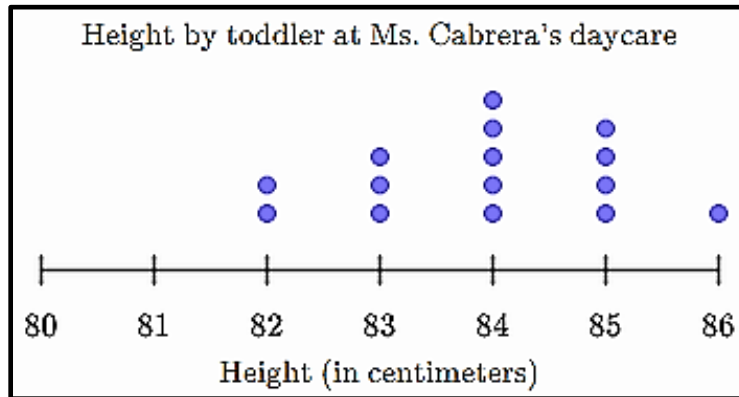
Use the dot plot shown to answer the questions below.

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?

Dot Plots, Box Plot, Histograms
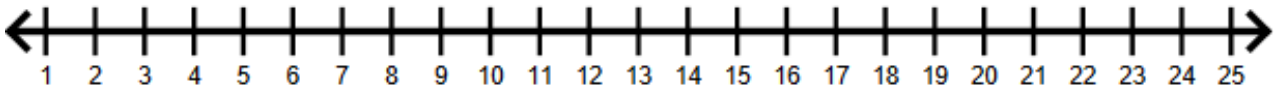
Wednesday, April 15

Assignment:
Create box plots for problems 1 – 3 below.

1) **12, 5, 3, 24, 14, 15, 8, 19, 17**
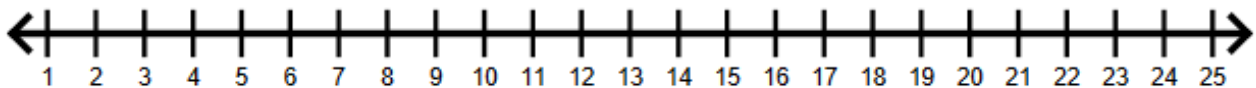
Minimum: _____   Maximum: _____

Q_1: _____ Q_2: _____ Q_3: _____

$$\xleftarrow{\hspace{0.3cm}}\underset{1\ \ 2\ \ 3\ \ 4\ \ 5\ \ 6\ \ 7\ \ 8\ \ 9\ \ 10\ 11\ 12\ 13\ 14\ 15\ 16\ 17\ 18\ 19\ 20\ 21\ 22\ 23\ 24\ 25}{\rule{13cm}{0.4pt}}\xrightarrow{\hspace{0.3cm}}$$

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

Minimum: _____   Maximum: _____

Q_1: _____ Q_2: _____ Q_3: _____

$$\xleftarrow{\hspace{0.3cm}}\underset{1\ \ 2\ \ 3\ \ 4\ \ 5\ \ 6\ \ 7\ \ 8\ \ 9\ \ 10\ 11\ 12\ 13\ 14\ 15\ 16\ 17\ 18\ 19\ 20\ 21\ 22\ 23\ 24\ 25}{\rule{13cm}{0.4pt}}\xrightarrow{\hspace{0.3cm}}$$

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

Minimum: _____   Maximum: _____

Q_1: _____ Q_2: _____ Q_3: _____

$$\xleftarrow{\hspace{0.3cm}}\underset{1\ \ 2\ \ 3\ \ 4\ \ 5\ \ 6\ \ 7\ \ 8\ \ 9\ \ 10\ 11\ 12\ 13\ 14\ 15\ 16\ 17\ 18\ 19\ 20\ 21\ 22\ 23\ 24\ 25}{\rule{13cm}{0.4pt}}\xrightarrow{\hspace{0.3cm}}$$
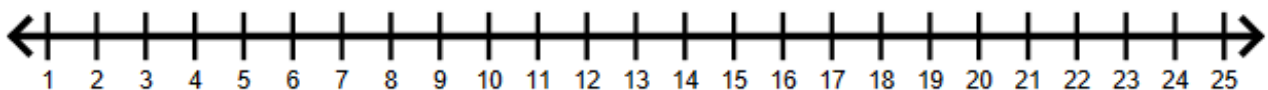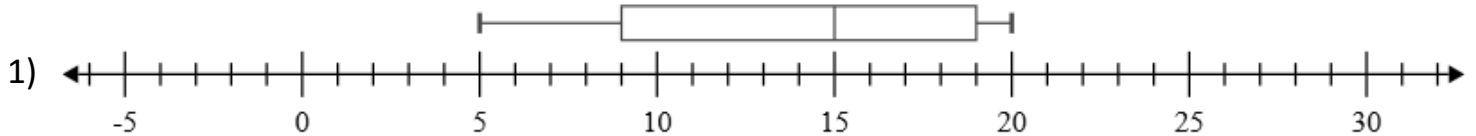
Dot Plots, Box Plot, Histograms

Thursday, April 16

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

1)

Minimum:

Maximum:

Q1:

Q2:

Q3:

Range:

Interquartile Range (IQR):

2)

Minimum:

Maximum:

Q1:

Q2:

Q3:

Range:

Interquartile Range (IQR):

Dot Plots, Box Plot, Histograms

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	

Daily High Temperatures in Degrees Fahrenheit

(histogram grid: y-axis 0 to 10, x-axis intervals 40-44, 45-49, 50-54, 55-59, 60-64, 65-69, 70-74)
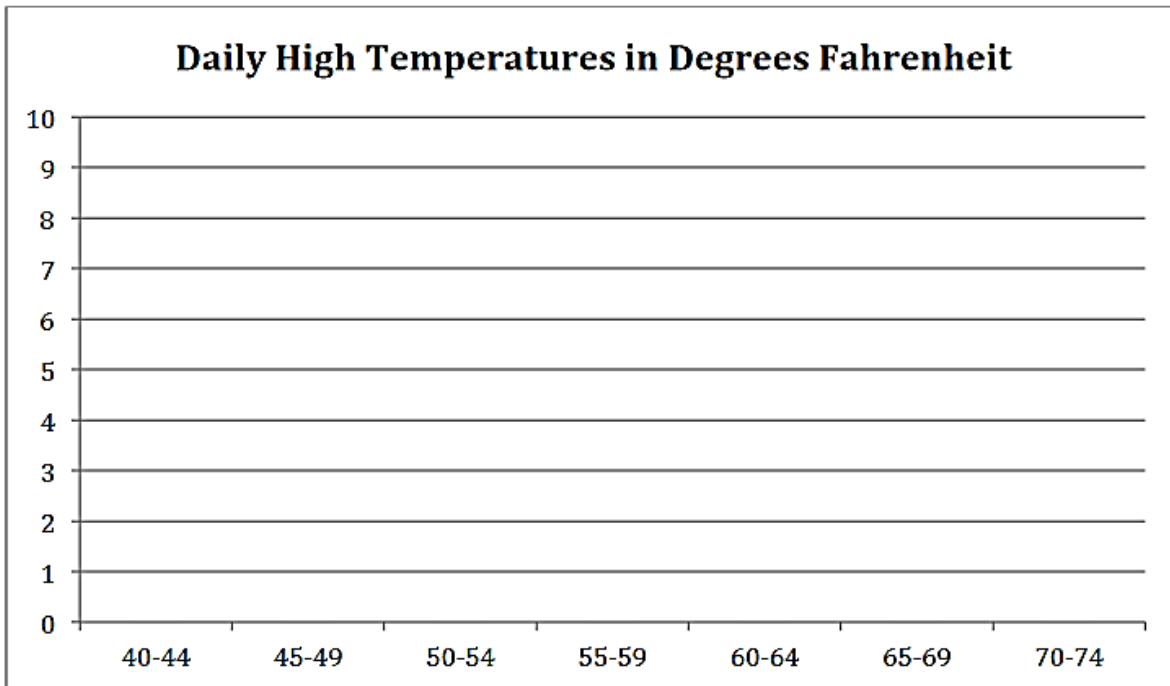
1) How many daily high temperatures were 60 degrees or above?

2) How many daily high temperatures were at most 49 degrees?