Warm-up:

Use the following data: 2, 13, 15, 11, 9, 17, 14, 16, 13, 16, 12, 13 to find the:

- Mean
- Median
- Mode
- Standard Deviation
- Dot Plot
- Histogram
- Box Plot
- Interquartile Range

STATISTICS REVIEW

The owner of an ice cream shop conducted a survey regarding customers' favorite flavors of ice cream and their gender. The results are shown in the table below:

Gender/Flavor	Vanilla	Chocolate	Strawberry	Total
Male	10	20	16	
Female		14	8	
Total		34		80

Complete the table above.

Using the previous table, find the percentage of girls that like strawberry ice cream.

Gender/Flavor	Vanilla	Chocolate	Strawberry	Total
Male	10	20	16	46
Female	12	14	8	34
Total	22	34	24	80

The April high temperatures for five consecutive years in Boston are listed below. Find the mean, median, range, standard deviation, and interquartile range for this data set.
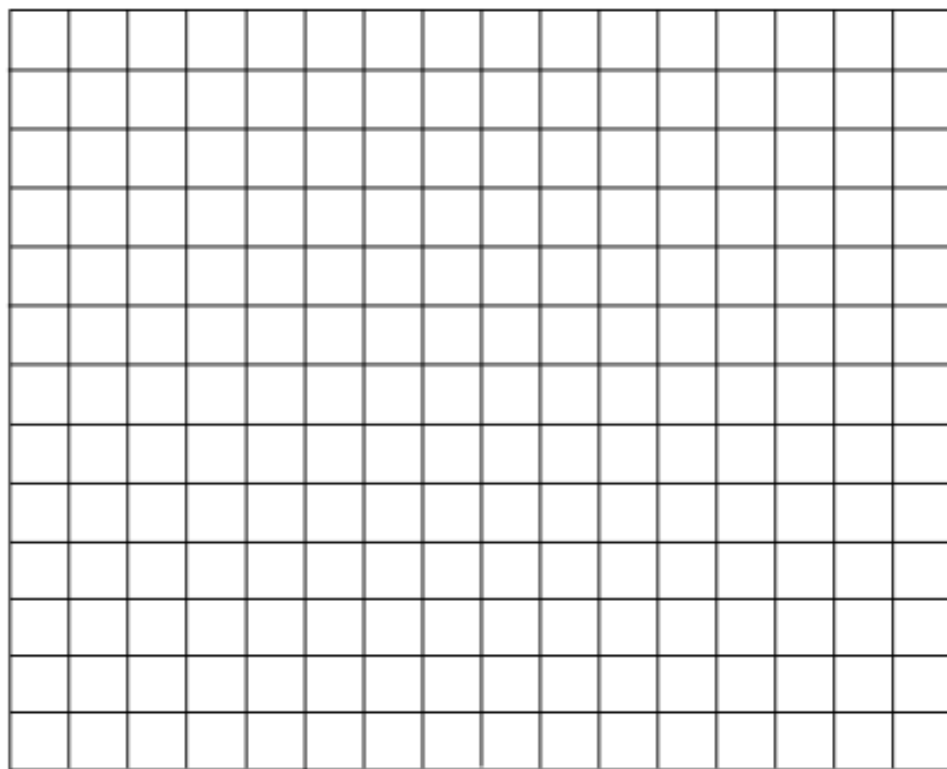
77 86 84 93 90

The following chart shows NFL team touchdowns per game in 2016. Make a boxplot of the data.

Team	TD's	Team	TD's	Team	TD's	Team	TD's
Atlanta	4.1	Indianapolis	2.9	Carolina	2.5	Jacksonville	2.1
New Orleans	3.4	Oakland	2.9	Seattle	2.3	Detroit	2.1
New England	3.3	Tennesse	2.9	Philadelphia	2.3	Baltimore	2.0
Green Bay	3.3	Pittburgh	2.8	Minnesota	2.2	Chicago	2.0
Arizona	3.2	Miami	2.7	San Francisco	2.2	Cleveland	1.8
Buffalo	3.1	Washington	2.7	Cincinnati	2.2	NY Jets	1.8
Dallas	3.1	Kansas City	2.6	Denver	2.2	Houston	1.6
San Diego	3.0	Tampa Bay	2.6	NY Giants	2.2	Los Angeles	1.5

The scores on a mathematics test were 70, 55, 61, 80, 85, 72, 65, 40, 74, 68, and 84. Complete the accompanying table, and use the table to construct a frequency histogram for these scores.

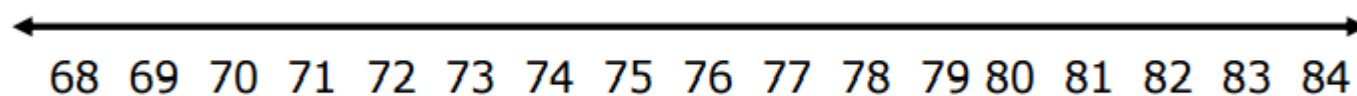| Score	Tally	Frequency
40-49		
50-59		
60-69		
70-79		
80-89		

The height's of 20 basketball players, in inches, are given below.

68, 70, 70, 71, 75, 80, 81, 82, 84, 75

75, 80, 75, 77, 75, 80, 83, 80, 71, 70

Make a **dot plot** using the number line below.

68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84

What is the spread (range) of the data?

What is the mode of the data?

How many players are greater than 70 inches tall?