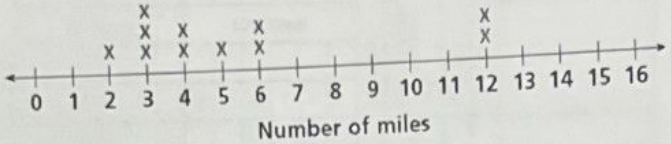
# HW: April 5 Answer Key

April 5

**HW: Statistics . . .glue on page 4**

1. The line plot below represents the number of miles run each day by a member of the BMS track team.

Based on the data shown, determine the mean, median, mode, & range.




mean = $\frac{60}{11}$

= 5.5 miles

median = 4 miles
"middle"

mode = 3

range = 12 − 2 = 10

2. The highest daily temperatures over the last 2 weeks are shown in the table below. Use the data to construct a line plot.

| | | | | | | |
|---|---|---|---|---|---|---|
| 39 | 44 | 53 | 45 | 41 | 40 | 38 |
| 37 | 41 | 38 | 42 | 44 | 38 | 48 |

14 #s

Determine the mean, median, mode, and range of the data set. *Show your work*

mean = $\frac{\text{sum}}{\text{total \#}}$

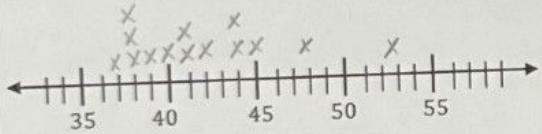
= $\frac{588}{14}$

mean = 42

median = 41

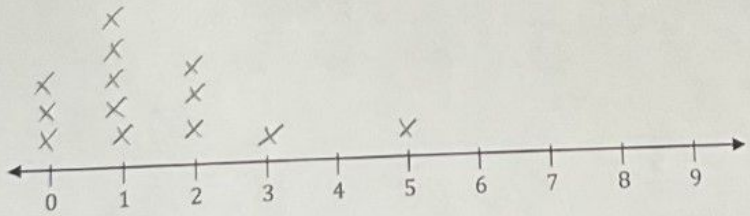
mode = 38

range = 53 − 37 = 16




3. Alexa conducts a survey to determine the number of pets each of her classmates have. Her data set is shown. *Use the data provided to construct a Line plot.*

{2, 2, 1, 0, 1, 1, 1, 0, 3, 0, 5, 2, 1} 13 #s




Determine the mean, median, mode, and range of the data set. *Show your work.*

mean = $\frac{\text{sum}}{\text{total}}$

= $\frac{19}{13}$

mean = 1.5

median = 1

mode = 1

range = 5 − 0 = 5