Name_____Date_____

# NUMBER OF SIBLINGS

The table below shows the number of siblings of 10 students in Tyler's class.

| 1 | 0 | 2 | 1 | 7 | 0 | 2 | 0 | 1 | 10 |
|---|---|---|---|---|---|---|---|---|----|

- Represent the data in the table with a dot plot.



- Based on your dot plot, estimate the center of the data without making any calculations. What is your estimate of a typical number of siblings? Mark the location of that number on your dot plot.

1 – 2

- Find the mean. Show your reasoning.

mean = 2.4    (2 – 3)

- How does the mean compare to the value that you marked on the dot plot as a typical number of siblings? (Is the mean that you calculated a little larger, a lot larger, exactly the same, or a lot smaller than your estimate?)

The mean is A little greater than the center.

- Do you think the mean summarizes the data set well? Explain your reasoning.

The mean is not a good measure of center since the mean was 2.4 which was greater than the center of 1 or 2.