

Name \_\_\_\_\_ Date \_\_\_\_\_

# Median

## Vocabulary:

**Median** is another way to measure the center of a data set. It is the middle number when the data set is listed in order.

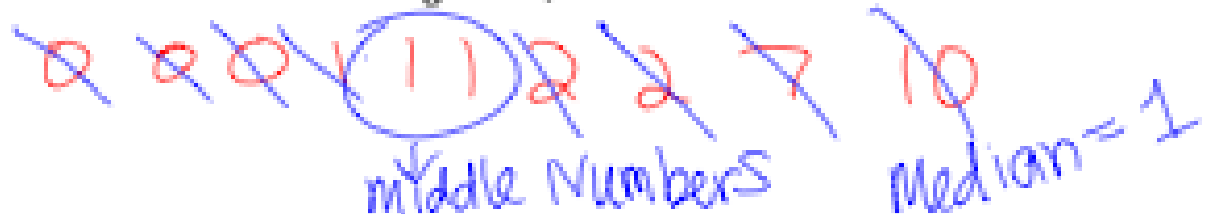
An **outlier** is a data item that is much greater or less than the other data items.

### Example 1:

The data below represents the number of siblings of 10 students in Tyler's class.

<del>1</del>	<del>0</del>	<del>2</del>	<del>1</del>	<del>7</del>	<del>0</del>	<del>2</del>	<del>0</del>	<del>1</del>	<del>10</del>
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- Sort the data from least to greatest, and then find the median.

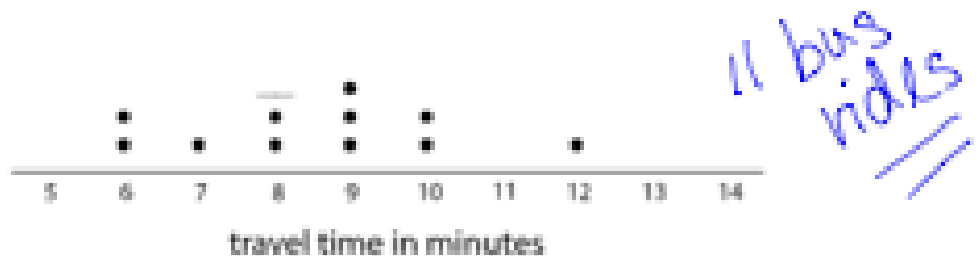


- In this situation, do you think the median is a good measure of a typical number of siblings for this group? Explain your reasoning.

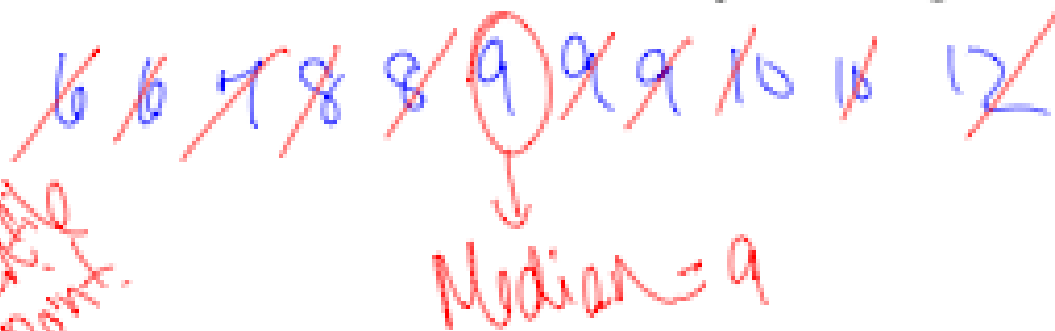
The median is a good measure of center because it is closer to the center of 1-2.

### Example 2:

The dot plot below shows the travel times, in minutes, of Zach's bus rides to school.



- Find the median travel time. Show all of your thinking.



\* Median →  
50th Percentile  
Halfway point.

- What does the median tell us in this context?

Half of Zach's bus rides were 9 minutes or less while the other half were 9 min. or longer.