|  | $\mathbb{N}$ |
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| - Middle of the data <br> Accurate measure of central tendency when the data has an outlier <br> - Outlier: data that is much bigger or much smaller than the rest of the data <br> Steps to find the median: <br> 1. Put the data in order from least to greatest <br> 2. Find the middle number (If there are 2 numbers in the middle add them together and divide by 2 to get the median) | - Average of the data <br> - Accurate measure of central tendency when the data has a small range <br> To find the mean: <br> 1. Find the sum of your data set <br> 2. Count the amount of \#s in the data set <br> 3. Divide the sum by the amount of \#s in the data set |
| $\begin{aligned} & 1,3,3, \mathbf{6}, 7,8,9 \\ & \text { Median }=\underline{\underline{6}} \\ & \begin{aligned} & 1,2,3, \mathbf{4}, \mathbf{5}, 6,8,9 \\ & \text { Median }=(4+5) \div 2 \\ &=\underline{4.5} \end{aligned} \end{aligned}$ | Example 1. <br> Find the mean of the following set of numbers. $19,6,17,6$ <br> Solution. <br> To find the mean divide the sum of the numbers by the number of numbers. $\begin{aligned} \frac{\text { Sum of numbers }}{\text { Number of numbers }} & =\frac{19+6+17+6}{4} \\ & =\frac{48}{4} \\ & =12 \end{aligned}$ |


| $\mathbb{N}$ | $\mathbb{N}$ |
| :---: | :---: |
| - Accurate measure of $\qquad$ when the data has an $\qquad$ <br> Outlier: data that is much $\qquad$ or much $\qquad$ than the rest of <br> the data <br> - Steps to find the median: <br> 1. Put the data in order from $\qquad$ <br> 2. Find the $\qquad$ (If there are 2 numbers in the middle add them together and divide by 2 to get the median) | - Accurate measure of $\qquad$ when the data has a $\qquad$ <br> - Steps to find the mean: <br> 1. Find the $\qquad$ of your data set <br> 2. Count the $\qquad$ in the data set <br> 3. $\qquad$ by the amount of \#s in the data set |
| Examples: <br> - $8,6,3,1,3,7,9$ <br> - $6,1,3,4,2,5,7,9,8$ | Example: <br> - 19, 6, 17, 6 |

