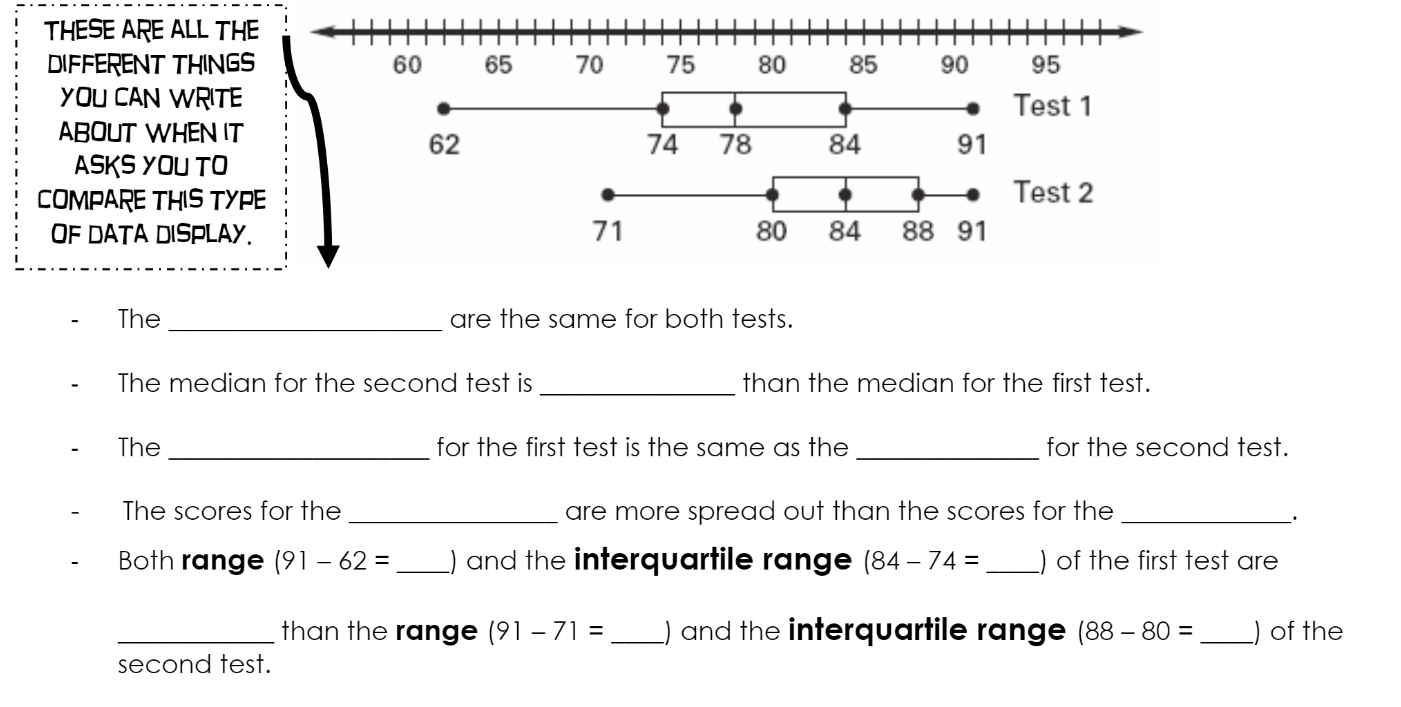
**COMPARING DOT PLOTS**

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| **DOT PLOTS** | A dot plot displays data \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_using a small dot or X for each data piece.  The data points are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ from least to greatest. |
| **SHAPE** | Data can take on three different shapes: Chart, scatter chart  Description automatically generated |
| **SPREAD** | The variability or spread in the data points describes how far apart the data is from one  another. This can also be represented by the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. |
| **CENTER** | The median and the mean both represent the center of the data.   * When the data is skewed, then the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is the best representation of the data. * When the data is symmetric, then the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is the best representation of the data. |

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| **The number of TVs per household for Mrs. Jamison’s class and Mr. Zimmerman’s class are shown below.**  Chart, scatter chart, box and whisker chart  Description automatically generated | |
| What is the median number of TVs in Mrs. Jamison’s class? | What is the median number of TVs in Mr. Zimmerman’s class? |
| What is the range in number of TVs per household in Mrs. Jamison’s class? | What is the range in number of TVs per household in Mr. Zimmerman’s class? |
| Mark each statement below as TRUE or FALSE.  \_\_\_\_\_\_\_ The range of the number of TVs per household in Mrs. Jamison’s class is less than the range of the number of TVs per household in Mr. Zimmerman’s class.  \_\_\_\_\_\_\_ The median number of TVs per household is equal in both Mrs. Jamison’s class and Mr. Zimmerman’s class.  \_\_\_\_\_\_\_ The mode number of TVs per household for both Mrs. Jamison’s class and Mr. Zimmerman’s class is 3. | |
| Looking at the data above, which class is more likely to have the higher mean (average) number of Tv’s? Why? | |

**COMPARING BOX PLOTS**



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|  | Which period had the higher MEDIAN? \_\_\_\_\_\_\_\_\_\_\_\_\_  What percent of 1st period scored an 80 or above? \_\_\_\_\_\_\_\_  What percent of 2nd period scored an 80 or above? \_\_\_\_\_\_\_\_  Which of the two classes performed better overall? Make at least two comparison statements to justify your choice. |

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| --- | --- |
|  | Make a comparison statement about the median height of girls versus boys.  What percent of girls are 67 inches or less? \_\_\_\_\_\_\_\_\_\_  What percent of boys are 67 inches or less? \_\_\_\_\_\_\_\_\_ |