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| **Main Ideas/Questions** | **Notes/Examples** |
| **Measures of Central Tendency** | **Mean (**$\overbar{x}$**):** average; add up all the values and divide by the number of values |
| **Median:** middle number when the values are in order from least to greatest ***\*Note:*** take the average of the two middle values if the set has an even number of values |
| **Mode(s):** value that occurs the most |
| **Range** | Biggest value – smallest value ***OR*** max - min |
| **Examples** | **Directions:** Find the mean, median, mode(s), and range of each data set. Round to the nearest tenth when necessary. |
| **1.** The daily high temperature for the past two weeks in Orlando: $\left\{89, 90, 88, 91, 82, 90, 88, 88, 86, 90, 92, 87, 89, 86\right\}$ Mean: \_\_\_\_\_\_\_\_\_ Median: \_\_\_\_\_\_\_\_\_Mode(s): \_\_\_\_\_\_\_\_\_Range: \_\_\_\_\_\_\_\_\_ |
| **2.** The number of points scored by a football team during their 16-game season: $\left\{7, 31, 33, 16, 30, 45, 25, 25, 25, 16, 28, 24, 20, 33, 31, 10\right\}$Mean: \_\_\_\_\_\_\_\_\_ Median: \_\_\_\_\_\_\_\_\_Mode(s): \_\_\_\_\_\_\_\_\_Range: \_\_\_\_\_\_\_\_\_ |
| **3.** Jenna’s math quiz grades in the second quarter: $\left\{78, 90, 95, 84, 80, 82, 87, 98, 72\right\}$Mean: \_\_\_\_\_\_\_\_\_ Median: \_\_\_\_\_\_\_\_\_Mode(s): \_\_\_\_\_\_\_\_\_Range: \_\_\_\_\_\_\_\_\_ |
| **4.** Trevon has four grades in science class so far: 97, 78, 89, and 94. If he has a test coming up, what grade would he need so his overall average is at least 90? |