

NAME:
PERIOD:

PRACTICE QUIZ

Central Tendency

- 1) The following table shows the high temperatures over the last few days. Find the mean, median, mode, and range for this list of data. (8 points)

| Day | Mon | Tues | Wed | Thurs | Fri | Sat | Sun | Mon | Tues | Wed | Thurs |
|------|-----|------|-----|-------|-----|-----|-----|-----|------|-----|-------|
| Temp | 67° | 68° | 70° | 75° | 87° | 82° | 72° | 66° | 67° | 61° | 55° |

Mean:

Mode:

Median:

Range:

- 2) The following list shows the weights of wrestlers on the Hope JH wrestling team. Find the mean, median, mode, and range for this data. (8 points)

114, 95, 93, 110, 106, 102, 95, 118, 132, 121, 105, 114

Mean:

Mode:

Median:

Range:

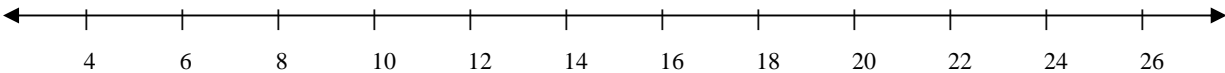
- 3) The following list shows the number of hours of TV watched during a week by 15 randomly selected students. Please construct a stem-and-leaf plot based on this data. Don't forget to include a key! (4 points)

14, 18, 28, 10, 22, 14, 6, 38, 24, 15, 9, 30, 18, 20, 10

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- 4) The following list shows the cost of DVDs that Digital Danny purchased recently. Construct a box-and-whisker plot based on this data. (4 points)

\$8, \$24, \$15, \$24, \$16, \$5, \$16, \$27, \$18, \$24



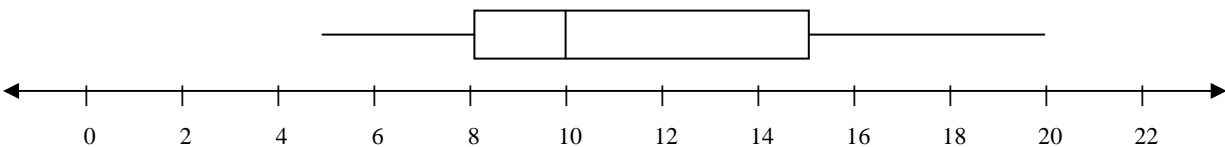
- 5) The following stem-and-leaf plot shows the cost of graphing calculators at various stores. Answer these questions based on this plot. (8 points)

| | | |
|----|--|-------------|
| 6 | | 5 5 8 |
| 7 | | 0 0 3 4 |
| 8 | | 0 5 5 9 9 9 |
| 9 | | 2 |
| 10 | | 0 5 |

KEY: 6 | 5 means \$65.00

- a) What is the median price? _____
- b) What is the price range? _____
- c) What is the mode price? _____
- d) How many prices are higher than \$85? _____

- 6) The following box-and-whisker plot shows the number of detentions assigned each week of the 05-06 school year. Answer the questions based on this plot. (8 points)



- a) What is the median number of detentions? _____
- b) What is the lower quartile? _____
- c) What is the range of number of detentions? _____
- d) TRUE or FALSE: It's possible that the mean is 4 detentions. _____