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

**The 5 Number Summary and Box and Whisker Plot Worksheet**

1. Based on the following box and whisker plot, list the 5 number summary and the interquartile range.

 12 36

20 26

18

**For questions 2 through 5, find the 5 number summary, the interquartile range, and then construct a box and whisker plot for the data given.**

2. 8, 15, 12, 10, 7, 6, 4, 10, 15

3. 85, 92, 97, 100, 70, 60, 85, 95, 90

4. 180, 150, 100, 250, 275, 325, 460, 540, 500, 410, 150

5. 2.3, 8.6, 5.4, 3.1, 2.7, 9.3, 7.4, 8.1, 10.2, 11.3

**Fact: The lower quartile, median, and upper quartile divide the data into 4 equal parts (the same amount of data in each part). What percent of the data is…**

6. higher than the lower quartile?

8. lower than the upper quartile?

10. higher than the median?

7. lower than the maximum?

9. higher than the upper quartile?