1. Label the 5 parts to the box and whisker plot shown.

Use the 5 parts:
- median
- upper quartile (first quartile)
- lower quartile (third quartile)
- minimum
- maximum

2. Using the box and whisker plot shown identify what % of the data lies in each region.

Answer questions 3 - 11 using this box and whisker plot.

3. What is the value of the median?

4. What is the value at the first quartile?

5. What is the value at the third quartile?

6. What is the value of the minimum value?

7. What is the value of the maximum value?

8. What percent of the data lie below the lower quartile?

9. What percent of the data lie below the median?

10. What percent of the data lie below the upper quartile?
11. What percent of the data lies between the lower quartile and the upper quartile?
The number of iTunes downloaded by 25 students in one week ranges from 15 to 55. The box and whisker plot depicts this data.

For this data:
12. What is the minimum number of iTunes downloaded?
13. What is the maximum number of iTunes downloaded?
14. What is the number of iTunes at the 25th percentile?
15. What is the number of iTunes at the 50th percentile?
16. What is the number of iTunes at the 75th percentile?
17. What is the median?
18. What is the lower quartile?
19. What is the upper quartile?

Answer problems 20 – 23 with the information below:

The box and whisker plot below shows the housing prices (in thousands) that are currently on the market in the town of Shoreside.

20. What is the median price of a home for sale?
21. What is the maximum price of a home for sale?
22. What percent of the homes are selling at $106,000 and below?
23. What is the minimum price of a home for sale?

Pre Algebra Unit 11 Worksheet 1