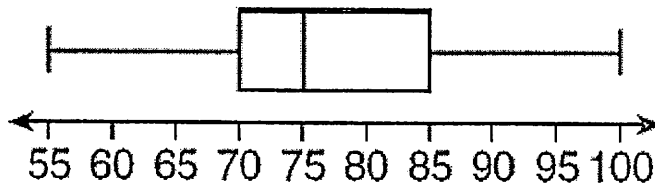Practice: Box-and-Whisker Plots   Name_____

A. The accompanying box-and-whisker plot represents the scores earned on a science test.

1. What it the median score? _____

2. What score represents the 25th percentile? _____

3. Between which two numbers does half the data lie?

   (a) 55 and 70   (b) 55 and 100   (c) 70 and 85   (d) 70 and 100

4. If Jennifer scored an 85, explain how her grade compares to the rest of the class.

   _____

   _____

B. Plot the Data on a Box and Whisker Plot!

   24, 25, 27, 29, 31, 42, 42, 47, 59

   Min =   **Q1 =**   **Med =**   **Q3=**   **Max =**

What is the Range of the Data: _____

What is the Interquartile Range: _____

C. Plot the Data on a Box and Whisker Plot!

63, 55, 13, 32, 26, 28, 18, 25, 56, 33, 41, 40, 67, 37

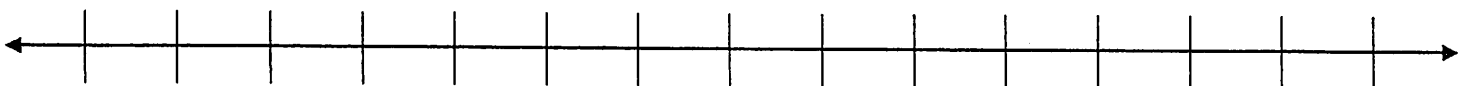**Min =**   **Q1 =**   **Med =**   **Q3=**   **Max =**

What is the Range of the Data: _____

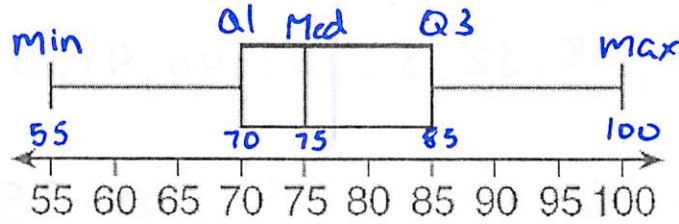What is the Interquartile Range: _____

D. The Jackson family kept track of how many DVD's they rented each month for a two year period. The numbers for each month are listed below. Make a box-and-whisker plot for this data.

2, 5, 2, 8, 1, 5, 0, 3, 6, 4, 9, 14, 3, 6, 5, 1, 10, 3, 8, 7, 2, 9, 0, 11

5. What is the Inter-Quartile Range for the data? _____

Practice: Box-and-Whisker Plots   Name___Key_____

A. The accompanying box-and-whisker plot represents the scores earned on a science test.
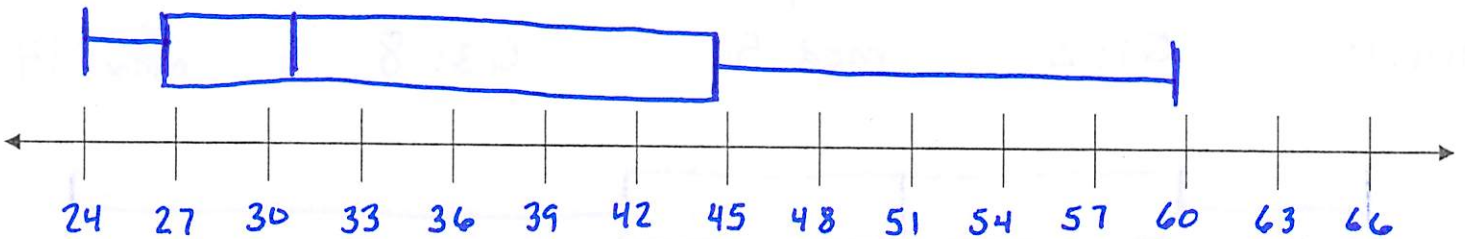

1. What it the median score? ___75___

2. What score represents the 25th percentile? ___70___

3. Between which two numbers does half the data lie?

   (a) 55 and 70   (b) 55 and 100   (c) 70 and 85   (d) 70 and 100

4. If Jennifer scored an 85, explain how her grade compares to the rest of the class.

   She scored as well or higher then 75%.
   of her class.

B. Plot the Data on a Box and Whisker Plot!

   24, 25, 27, 29, 31, 42, 42, 47, 59

   Min = 24   **Q1 =** 26   **Med =** 31   **Q3=** 44.5   **Max =** 59
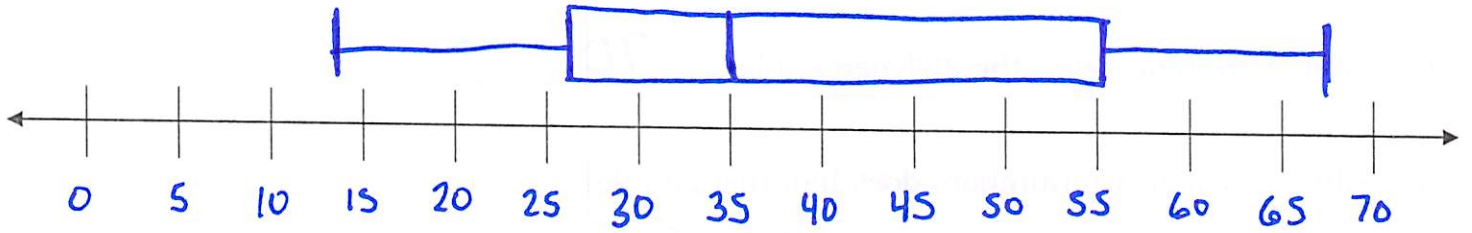

What is the Range of the Data: ___35___

What is the Interquartile Range: ___18.5___

C. Plot the Data on a Box and Whisker Plot!

~~63, 55, 13, 32, 26, 28, 18, 25, 56, 33, 41, 40, 67, 37~~

13, 18, 25, 26, 28, 32, 33, | 37, 40, 41, 55, 56, 63, 67

Min = 13   **Q1 =** 26   **Med =** 35   **Q3=** 55   **Max =** 67

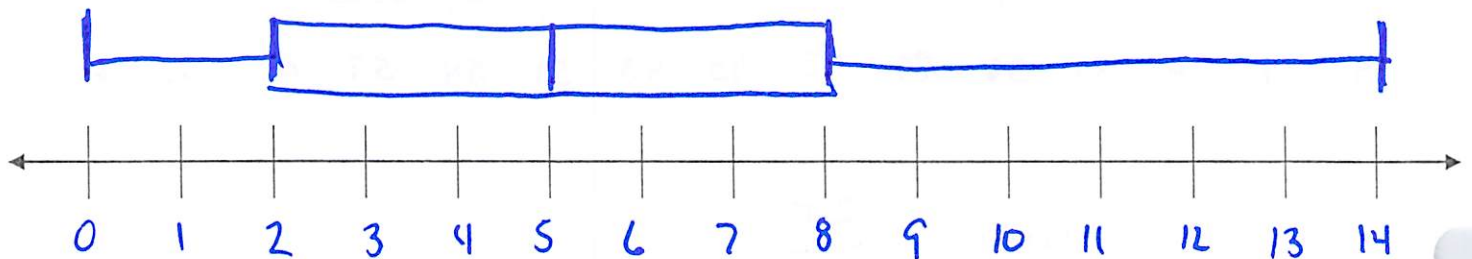What is the Range of the Data: _____54_____

What is the Interquartile Range: _____29_____

D. The Jackson family kept track of how many DVD's they rented each month for a two year period. The numbers for each month are listed below. Make a box-and-whisker plot for this data.

2, 5, 2, 8, 1, 5, 0, 3, 6, 4, 9, 14, 3, 6, 5, 1, 10, 3, 8, 7, 2, 9, 0, 11

0, 0, 1, 1, 2, 2, 2, 3, 3, 3, 4, 5 | 5, 5, 6, 6, 7, 8, 8, 9, 9, 10, 11, 14

min: 0   Q1: 2   med: 5 | Q3: 8   max: 14

5. What is the Inter-Quartile Range for the data? _____6_____