**Worksheet on Box Plots** Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Listed below are the scores for a midterm exam:

57, 59, 60, 62, 65, 71, 74, 78, 80, 81, 83, 84, 88, 95, 99

Find the five statistical values below.

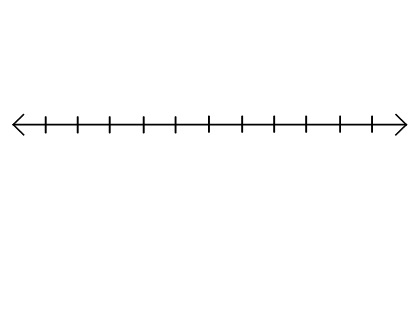
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Minimum | First Quartile | Median | Third Quartile | Maximum |
|  |  |  |  |  |

Determine whether the data set has any outliers

Q1 – 1.5(IOR)= Q3 + 1.5(IQR) =

Outliers, if any \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Complete a box plot. Remember a title!



Describe the shape of the distribution \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Listed below are the scores for a final exam:

51, 53, 69, 75, 75, 78, 79, 90, 81, 81, 82, 85, 85, 88, 90

Find the five statistical values below.

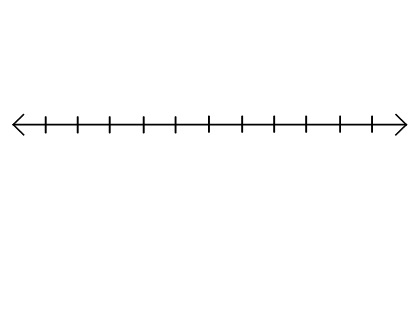
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Minimum | First Quartile | Median | Third Quartile | Maximum |
|  |  |  |  |  |

Determine whether the data set has any outliers

Q1 – 1.5(IOR)= Q3 + 1.5(IQR) =

Outliers, if any \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Complete a box plot. Remember a title!



Describe the shape of the distribution \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_