

# Box and Whisker Plots

## Layer Book

You will need 3 sheets of construction paper. Fold leaving tabs.

81, 67, 69, 73, 67, 85, 75, 75,

**Title** – How to construct a box and whisker plot.

Tabs should read step 1 – step 5.

**Step 1** - Order the data from least to greatest.

67, 67, 69, 73, 75, 75, 81, 85

**Step 2** – Then find the least and greatest values, the median, the lower quartile and the upper quartile. (called the 5 Number Summary)

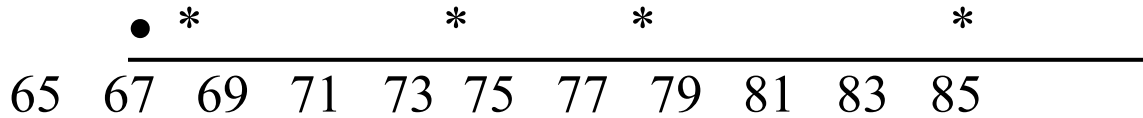
LQ	M	UQ
<u>67</u> , 67, 69, 73, 75, 75, 81, <u>85</u>		
68	74	78

**Step 3** – Draw a number line to include all the values you found in step 2.

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65 67 69 71 73 75 77 79 81 83 85

Step 4 - Above the number line plot a point for each value in step 2. (put your dots)



Step 5- Draw a box from the lower quartile to the upper quartile. Inside the box, draw a vertical line for the median. Draw the lines for the whiskers, from the box to the least and greatest values.

