

Name: _____

Lesson Guide

This lesson guide accompanies the following video lesson:

Key Question: What is a box-and-whisker plot and what is it used for?

Example 01: Create a box-and-whisker plot that represents Jordan's basketball performance over his last 7 games using the data chart below.

Game	Points Scored
1	10
2	17
3	5
4	32
5	16
6	18
7	20



➤ **Step One:** Rearrange the numbers and list them in order from smallest to largest:

➤ **Step Two:** Find the following information:

Median: _____

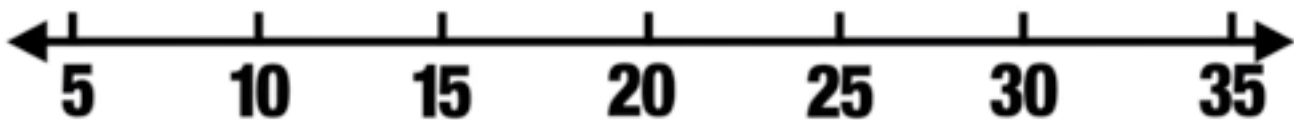
Upper Quartile: _____

Upper Extreme: _____


Lower Quartile: _____

Lower Extreme: _____

➤ **Step Three:** Construct a box-and-whisker plot:



Example 02: Create a box-and-whisker plot that the number of espresso's made per day at Jess' Coffee Shop:



-Espresso's Made Per Day-

44	64	32	44	48
59	73	51	96	65

➤ **Step One:** Rearrange the numbers and list them in order from smallest to largest:

➤ **Step Two:** Find the following information: **Median:** _____

Upper Quartile: _____ **Upper Extreme:** _____

Lower Quartile: _____ **Lower Extreme:** _____

➤ **Step Three:** Construct a box-and-whisker plot:



Question: If Jess added another day to her data where she made 101 espressos, what do you think would happen to the graph?