**BLM 7.SP.1.1: Finding the Centre of a Graph and Comparing the Values**

1. Build a concrete model of your graph using cubes or modelling clay.
2. Identify the range.
3. How can the graph be arranged to emphasize the range?
4. Are there any outliers or extreme values in your graph?
5. Identify the mode.
6. How can the graph be rearranged to emphasize the mode?
7. Identify the median value.
8. How can the graph be rearranged to emphasize the median?
9. Level the data to find the balance point, or the centre of the data. (This is not the middle value or median.)

a) Explain what you did to find the centre point.

b) Identify the centre point.

1. List the mean, median, and mode for your data.

a) Compare the values. Do these values each represent the entire set of data well?

b) Is one value more representative than the others? Explain.