Plop It!
Exploration Questions

1. Write a paragraph or two on how you would describe the similarities and differences between mean, median, and mode.

2. What effect does increasing the number of values near the center of the graph have on the mean, median, and mode when all the data is near the center? What effect does increasing the number of values near the center of the graph have on the mean, median, and mode when the data is spread out over the graph? What effect does increasing the number of values near the center of the graph have on the mean, median, and mode when most of the data is on opposite ends of the graph?

3. What effect does decreasing the number of values near the center of the graph have on the mean, median, and mode when all the data is near the center? What effect does decreasing the number of values near the center of the graph have on the mean, median, and mode when the data is spread out over the graph? What effect does decreasing the number of values near the center of the graph have on the mean, median, and mode when most of the data is on opposite ends of the graph?

4. Which measure of center is affected the most by small changes in the graph? Which measure of center is affected the least by small changes in the graph? Explain.