

Mini Lesson: Scaled Bar and Picture Graphs

1. **Grade Level/ Audience:** 3rd Grade
2. **Curriculum Topic:** AR.Math.Content.3.MD.B.3
 - Draw a scaled picture graph and a scaled bar graph to represent a data set with several categories (e.g., Draw a bar graph in which each square in the bar graph might represent 5 pets)
 - Solve one- and two-step "how many more" and "how many less" problems using information presented in scaled picture graphs and scaled bar graphs
3. **Tools:** Spreadsheet and Kahoot

4. **Synopsis of what I am doing including how I am using the tools :**

In this lesson, I will use the tools, spreadsheet and Kahoot, to enhance my students' understanding of what a scaled bar graph and picture graph are. On spreadsheet, I will with the help of my students, as a class, enter data that we gather from the classroom about our favorite ice cream types to create a scaled bar graph. I will do it on my computer in front of the class while students walk me through it and tell me what data I should be entering. Once I have done an example in front of the classroom, the students will then individually get on their laptops and create their own graph from pre-made data on a worksheet that I give them. I will monitor and help students as they create their own scaled bar graph. I will then use Kahoot to help test students on their knowledge of scaled picture graphs. The students as a class will compete in the Kahoot for first place (which will be rewarded 5 extra minutes of fun play for the end of the week). The questions on the Kahoot will have students pick the scaled picture graph from a group, pick data from the graph, and solve one step "how many more/how many less" problems. There will be seven questions to test the students' knowledge. If needed, I would divide my students into different teams to work on both projects together and help those who may be struggling to understand.