



7. Calculate the acceleration for the bricks. **Show a sample calculation here!**

8. Graph your data with the acceleration on the y-axis and the scale reading on the x-axis. Do a best fit line for each set (one line for one brick, another line for two bricks, and a third line for three bricks). Do each of these lines in a different color.

**Summary:**

1. What are the units on the scale reading and what do they represent? (what is the name, symbol and units of the quantity being measured?)
2. What happens to the acceleration when the scale reading is increased?
3. What happens to the acceleration with more bricks?
4. What is the math formula for this relationship? This is called Newton's 2<sup>nd</sup> Law. Write this in word form also.
5. What does the slope of each line represent?
6. What are your sources of error? The size of each source of error?