

Wednesday Challenge Form

Group Members: Jess, Malik, Derek, Edgar

Problem Statement: Figure out the ratio of weight between a 1 kg block and a bag full of small objects that are labeled to be 1kg.

Approach: First we used our two hands to weigh the two objects against each other and we found out that the 1kg block weighed more than the bag. Then, we decided to borrow bags from other groups and weigh those against the 1kg block until they were about the same. We felt that the 1kg block weighed between 4 or 5 bags. As a result, we decided that the ratio of weight between the 1kg block and the bag was 4.74:1.

Solution: Tyler's group won because he volunteered to talk. The ratio of weight between the 1kg block and the bag was 4:1. The weight machine works on a fulcrum to weigh the object.

Lessons Learned: If I were to do this again I would have weighed our objects faster and more accurately on the weight machine. I also wouldn't have overcomplicated things with the ratio and stuck with a 4:1 ratio because that was one of our initial answers.