

Wednesday Challenge Form

Group Members: Edgar, Nicholas, David, and Shaunt

Problem Statement: Estimate pi as best as you could using a physical circle that you measure the circumference and the diameter of. You can't use a formula nor can you use pi to find pi.

Approach: First, we brainstormed some ways that we could do the problem. At first, we thought we could use a formula to find the estimation but Mr. Neat disallowed it. So, we used a coke cup and measured the circle on the bottom of it and used that for the estimation. We used the bendy rulers to measure around the circle, and measured across to get the diameter. We used these two numbers to create a ratio that would be our estimation of pi.

Solution: Our estimation was not as close to pi as we liked. It was about 3.5, which is about 0.4 units off of pi, which is around 3.14. So, we were quite a ways off our goal. Monte and Arren won with an estimation of 2.81 because they did not add extra decimal points to their answer as everyone else did.

Lessons Learned: If I were to do this again I would have only used as many decimal points in the actual score as the number of decimal points in the original numbers used for measurement.