

Wednesday Challenge Form

Group Members: John, Lucas, Jess, Matty and Sona

Problem Statement: The equation to find a pi is C/d . Using any circular object, find the pi. Team with the closest number to the actual pi will win.

Approach:

Our team chose a mug and a tape as our circular object to find the pi. With a flexible ruler, we measured the circumference of the circle and estimated the diameter. We drew the outline of the mug on a sheet of paper to make it easier to measure the dimensions. The mug had a pi of 2.9230 with a diameter of 3.25" and circumference of 9.5". The tape had a diameter of 3.75" and circumference of 12" as a result of 3.2 for the pi. Our second calculation was closer to the actual pi.

Solution: The winner was Monte's team. Their team was the only team to put the answer with two places of the decimal number even though the number was 2.81.

Lessons Learned: If I would do this challenge again, I would find an accurate midpoint of the circle to find the diameter and the circumference.