

Wednesday Challenge Form

Group Members: Alvin, Raul

Problem Statement: Cut a 1 foot square out of cardboard.

•**Approach:** We used a combination of a Pythagorean triple (3 4 5 triangle), a framing square, and a 45° 45° 90° triangle ruler to make sure that the angles were all 90 degrees. When I measured the sides with the provided plastic ruler, I realized that the measurements were inaccurate because I was getting different measurements with the framing square and the plastic ruler. Since I won last year using the measurements on the framing square, I just went with that one.

Solution: The winning group consisted of Connor and Paul.

Lessons Learned: Make cuts in cardboard all the way through in 1 stroke instead of getting stuck halfway.