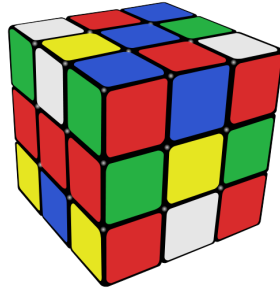


Math Challenge Problem

for late October, 2013

Martin's Cube



Martin the termite has a nice new Rubik's cube made out of 27 small wooden cubes. He plans to eat his way to the center from the outside, tunneling through every cube exactly once along the way. He can only move from a one cube to another by moving parallel to the sides of the cube (so not diagonally) and directly from one cube to the next (so not leaving the cube and crawling along the exterior before entering a cube again).

The Challenge: Which exterior cube should Martin start with in order to end his journey in the center, and what path should he follow?

Submit solutions to Ross 2239G or to oscar.levin@unco.edu by **Friday, November 1.**

New this semester: PRIZES!

A winner will be randomly selected from all correct answers received for each challenge problem to receive a fun math prize of his or her choice.

Prizes include funky Rubik's style cubes, math puzzle books, math games, even a math coloring book. So submit your answer TODAY!