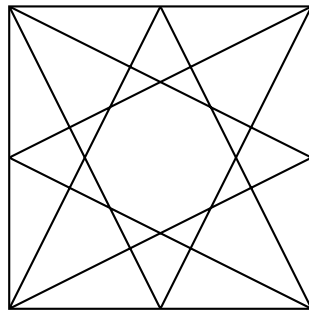# MATH CHALLENGE PROBLEM

for January 2016

Counting Triangles in a Square

The figure above was created by drawing lines from each vertex of a square to the midpoint of each non-adjacent side. This creates a bunch of triangles of different sizes.

The Challenge: How many triangles are there all together, and how many are similar to a 3 : 4 : 5 triangle?

Submit solutions to Ross 2239G or `oscar.levin@unco.edu` by **Monday, February 1**.

The best solution WIN A PRIZE!
Prizes include nifty Rubik's style puzzle cubes, math puzzle books, math games, even a math coloring book. So submit your answer TODAY!