



The Fourth Annual
Utah Math Olympiad

Saturday, March 19, 2016
1:00 - 4:00 pm

Participation is free.

Register at www.utmath.org by March 12.
Prize money will be distributed to the top scorers.

Please contact us at contact@utmath.org,
or refer to our website for more information.

Sample Problem

Malcolm and Ozymandias are playing a modified version of Tic-Tac-Toe. Each turn, they place one of the numbers 2, 3, 4, 5, 6, 8, 9, 10, and 15 into a Tic-Tac-Toe board. No number can be used more than once. Malcolm wins if three numbers in the same row, column, or diagonal are pairwise relatively prime. Ozymandias wins if this does not happen. Malcolm goes first. Who has a winning strategy?

University of Utah
LeRoy Cowles Building
Room 225

Brigham Young University
Talmage Building
Room TBA