



MATH HOUR @ UNIVERSITY OF WASHINGTON

A MATH LECTURE FOR GRADES 6-10

UW Seattle campus

sites.math.washington.edu/~mathcircle/mathhour



Agnès Beaudry
University of Colorado, Boulder

Corners – Edges + Faces

Abstract: Choose a Platonic solid among the tetrahedron, the cube, the octahedron, the dodecahedron and the icosahedron. Start with the number of corners, subtract the number of edges and add the number faces. Write down the number you got. Repeat this for every Platonic solid. What do you notice? In this talk, I'll explain what happened and the connection between this curious property of Platonic solids and topology.

Architecture Hall
Room 147

April 20, 2025, Sunday, 1-2pm