

1086-P5-1801 **Thomas C. Hull*** (thull@wne.edu). *Origami, volume, and dissections of the cube.*

Molly's Hexahedron is a very simple origami model that makes a hexahedron where each face is a 45° right triangle. Calculating the volume of this solid is a straight-forward geometry exercise, but the answer seems very counterintuitive. Making sense of the answer leads to a hands-on exploration of the nature of volume measure and to some interesting dissections of the cube. (Received September 24, 2012)