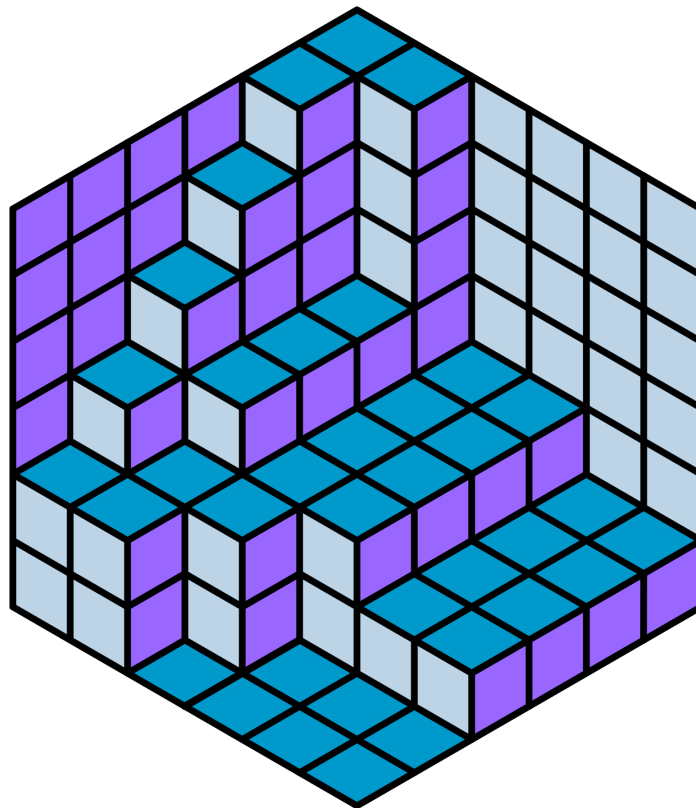# Thinking Outside the Box

Any rhombic tiling of a hexagon may be interpreted as a pile of cubes:

Problem. Explain why, in any such rhombic tiling, there are an equal number of tiles of each of the three possible orientations.

Submit your solution online by scanning QR code and filling out the form, or submit at

sites.google.com/unomaha.edu/unopow

A photo of handwritten work is fine. You can also turn in solutions physically at the UNO math department's mail room (located on the second floor of the Durham Science Center).