

A Year of Pentomino Tilings

G4G12 Exchange Gift

Margaret Kepner

Each of the 12 pentominoes can tile the plane. That is, copies of a single pentomino can be fitted together, without overlaps or gaps, to tile the 2D plane indefinitely. In this gift, there are 12 business cards, each of which shows a particular tiling with one of the pentominoes on the front side, while the reverse side displays a monthly calendar. For example, a tiling using the Z-pentomino is paired with a calendar for the month of October 2016. The coloring of the tilings relates to the method used: infinite strips, rep-tile recursion, etc. A cover card displays a packing of the 12 pentominoes into a 6 x 10 rectangle.

