

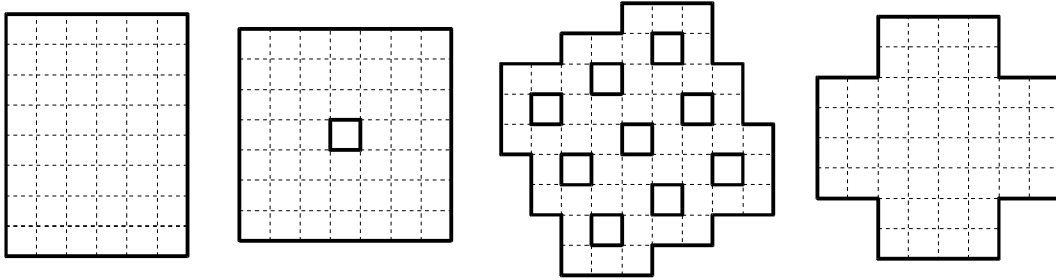
L-TOPIA

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Twelve L-shaped pieces that will hurt your brain.

The pieces in this set have a shape composed of 4 squares known as the l-tetromino. The 12 pieces contain all possible arrangements of a circular and a square hole in the centers of two of these squares. Most of the puzzles below involve tiling a particular shape so that the pattern formed by the holes has certain special properties.

There are many different shapes that these pieces can tile. Here are a few:



All of the puzzles below were developed for tilings of the 6×8 rectangle, but some of them can be adapted to other shapes. Be creative; half of the fun is in finding your own variations to solve.

Difficulty Ratings – *: Hard, **: Very Hard, ***: Extremely Hard

1. * Place the pieces so that no set of pieces smaller than the whole forms a rectangle, and there is no corner where 4 pieces meet. (In this puzzle, the hole placement doesn't matter.)

Connection Puzzles:

In these puzzles two holes are considered to be adjacent if they are one step away from each other horizontally, vertically, or diagonally. Place the pieces so that:

2. ** None of the circles are adjacent to each other, and the squares are all in a single connected group, i.e. it would be possible to get from any square hole to any other by a series of steps to adjacent square holes.
3. *** The squares are all adjacent to an even number of holes, and the circles are all adjacent to an odd number of holes.
4. ** The circles all have either another hole or the right edge of the tiling directly to their right, and the squares have either another hole or the bottom of the tiling directly below.

Location Puzzles:

Puzzles where the locations of the holes are important. Place the pieces so that:

5. ** All of the circles are only in every other row, and all of the squares are only in every other column. (For puzzles #6 and #7, consider the tiling as a grid of 2×2 squares.)
6. * Each 2×2 square contains exactly one square and one circular hole.
7. *** The same as #6, but the square and the circle in each 2×2 square must belong to different pieces.

For solutions to these puzzles, to learn about new puzzles and games developed for this set, and to buy this and other fine High Speed Collision Games products, check out our website at:

<http://hscgames.com/>

Thanks for letting us hurt your brain!

Ali Owen Muñiz, High Speed Collision Games