

Pegboard Games⁹⁵

Pupils can devise games to be played on pegboards, multi -grids or squared paper. One suggested game is as follows:

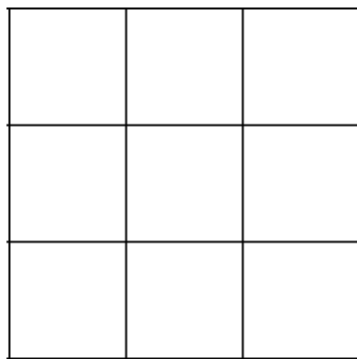
1. The line of symmetry or mirror line is marked and each player takes turns to put a peg on the board.
2. The second player has to mirror the location of their opponent's peg on their side.
3. Then they place a peg on the board and the other player had to mirror its position.
4. Pupils can begin to use positional language that is further developed in Level D.



Investigation: Symmetry Challenge⁹⁶

Systematically explore the range of symmetric designs that can be created by shading whole squares of the grid below. Pupils can use blank grids or squared paper to record their results.

How many can you find? Did you classmates find other examples / solutions?



⁹⁵ Deboys and Pitt (2007, p.161)

⁹⁶ Link to Archaeologist Symmetry: <http://nrich.maths.org/1886>