

Level 1

Five in a Row: Puzzle

The player who is first to make a straight line of five of his or her pieces wins.

If White moves next, what is the best move?

Or, if Black is next to move, what is Black's best move?

This game is also called Go-Moku. Do you know Connect-Four?



Level 2

3D Noughts and Crosses: Puzzle

The first to make a straight line of four pieces wins: a line can be on one of the levels, can run vertically, or diagonally.

If it is White's move next, what is the best move? Or, if it is Black's move next, what is the best move?

Can you devise coordinates that label each level, and the rows and the columns? What would be the coordinate label for the White piece on the lowest level?



Level 3

Nine Men's Morris: Puzzle

A player who places three of his or her pieces in a line removes one of the opponent's pieces!

If Red has the next move, what is the best move?

Or, if Yellow has the next move, where should Yellow move?



Level 4

Ordinary Dominoes: Puzzle

Do you know how to score the ordinary game of dominoes?

What was the first domino played? How do you know?

If Player A has the next move, what is the best move? Or if player B has the next move, what is the best move?

