

Welcome to GridWorks!

GridWorks is a pattern matching game based on the principles of logical deduction...and it's fun!

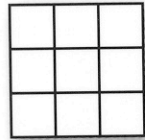
Included

9 Magnetic Tokens:

- A Green Triangle, Circle and X shape
- A Yellow Triangle, Circle and X shape
- A Blue Triangle, Circle and X shape



9 PIECES



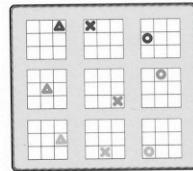
GRID

Game Grid:

Two-sided, 3x3 grid with 9 squares

60 Challenges:

Each challenge consists of visual clues. Taken together, the clues give you all the information you need to solve the challenge.



CHALLENGE

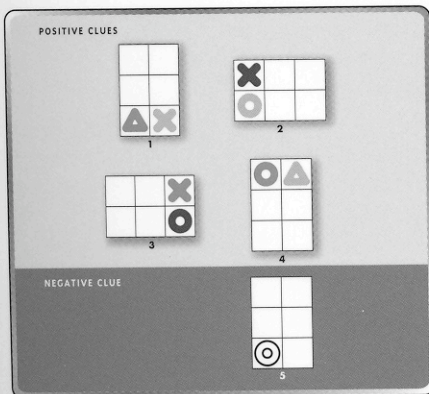
Object

Place the nine colored tokens on the 3x3 game grid in a pattern that matches the clues given in each GridWorks challenge. How to interpret the clues is explained on the following pages...it's simple!

Clues

The clues allow you to place the 9 tokens on the game grid. Each clue is presented as a symbol, or several symbols, located on a grid segment.

There are two types of clues: **Positive Clues** and **Negative Clues**.



1. **Positive clues** illustrate a pattern of symbols that **WILL** appear somewhere in the solution. Positive clues are placed on a light background color and are clearly titled on each challenge.

2. **Negative clues** illustrate a pattern of symbols that **WILL NOT** appear anywhere in the solution. Negative clues are placed on a blue background color and are clearly titled on each challenge.

Solving GridWorks—In a Nutshell

- Each challenge has only one solution.
- The solution must satisfy all the clues.
 - Positive Clues**—Each positive clue pattern can be discovered somewhere on the grid at least once.
 - Negative Clues**—Each negative clue pattern cannot be discovered anywhere on the grid even once.

If you understand these principles and the symbology used in the clues, you're ready to move to Beginner Challenge 13, (page 11).



Clue Symbology



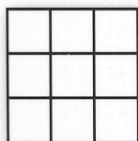
Token Symbols: These symbols indicate a specific token shape and color.



Shape Symbols: These symbols indicate a specific token shape, but not a specific color.



Color Symbols: These symbols (any grid cell filled with a color) indicate a specific color, but not a specific shape.

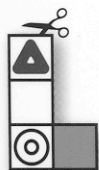


GAME GRID
3X3 grid with
9 cells

Game Grid

The game grid is fixed: nine cells, three rows by three columns.

The clues are presented as full or partial grid sections which show where the tokens are placed. For each clue, imagine that someone took a finished solution, cut away some of the squares, removed some of the tokens, and replaced some of them with the corresponding shape or color symbols. You're left with an accurate but incomplete picture of how the tokens relate to each other (and in the case of negative clues, how they don't relate to each other).



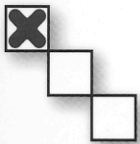
CLUE

A clue illustrates relationships between tokens and grid.

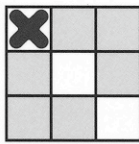
The GridWorks challenge is to combine the partial information found in each clue to solve the challenge completely.

The next two pages provide examples of clues and how to interpret them.

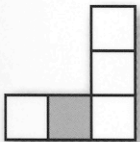
Examples of Positive Clues



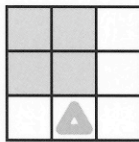
POSITIVE CLUE



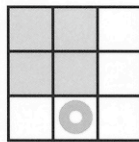
The blue X can only go in the upper left corner.



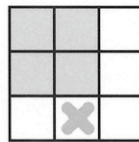
POSITIVE CLUE



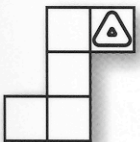
OR



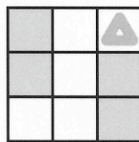
OR



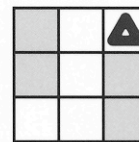
The color symbol in the clue indicates one location for a yellow token, but not which shape.



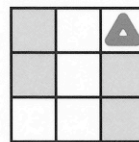
POSITIVE CLUE



OR



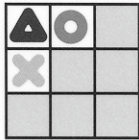
OR



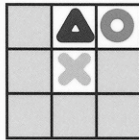
The shape symbol in the clue indicates one location for a triangle, but not which color.



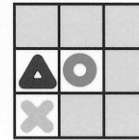
POSITIVE CLUE



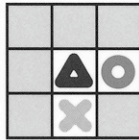
OR



OR



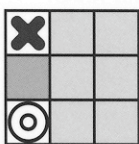
OR



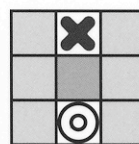
There are four possible locations for this clue on the game grid. The three tokens are found in relationship to each other as shown, but they could be in any of four locations.



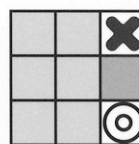
POSITIVE CLUE



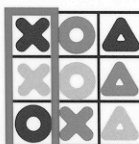
OR



OR



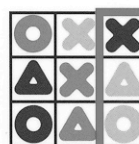
According to this positive clue, the blue X will be in the top row, with a yellow token of some shape directly below it, and a circle of some color in the bottom row. This pattern can be in any column on the grid. Each of the solutions shown below satisfies the clue.



OR

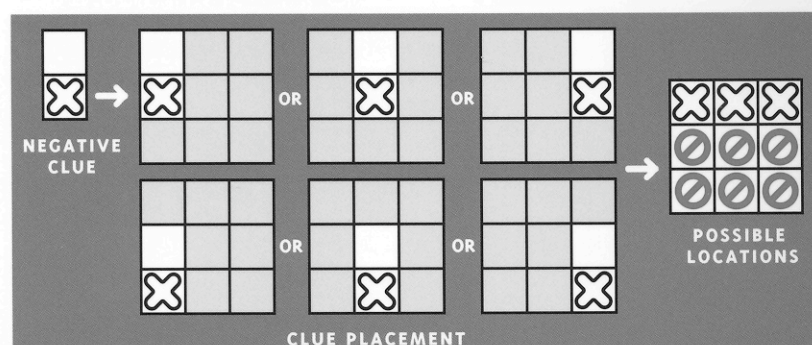
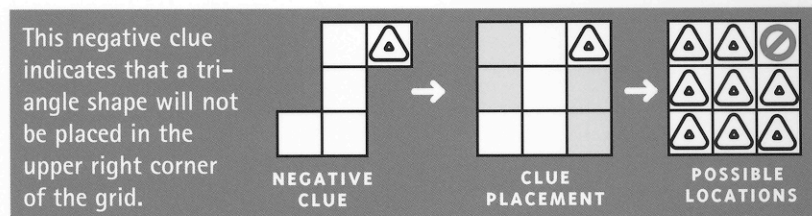


OR

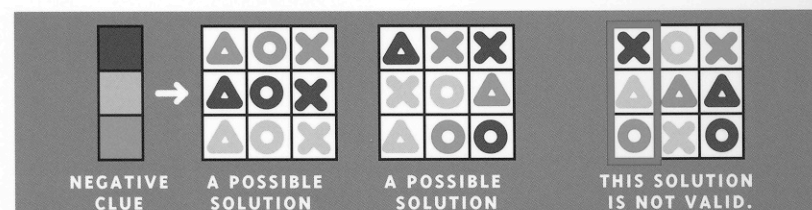


Examples of Negative Clues

Negative clues are the exact opposite of positive clues. Negative clues illustrate a token or set of token symbols in a relationship that **WILL NOT** appear anywhere in the solution. Negative clues are placed on a blue background.



This negative clue indicates that an X shape of some color will not have a grid space above it. In other words, none of the above six patterns appears in the solution. From this clue you can deduce that all three X's must be in the top row of the grid.



This negative clue indicates that the solution will not contain a pattern with a blue token in the top row, yellow token in the middle row, and a green token in the bottom row of the same column.

GridWorks Challenges

Now that you've got the basics, you're ready for our 12 Warm-up Challenges. Each Warm-up includes a few pointers to help you read the clues and solve the challenge. Next come 12 Beginner, 12 Intermediate, 12 Advanced, and 12 Expert Challenges—60 in all. Solutions are included on pages 35–36. But before comparing your answer to the solution, make sure you double-check your grid by confirming that each clue is satisfied. Once you've solved all 60 challenges, you'll be well on your way to becoming a super sleuth of logical deduction!