

# GEOMETRICIAN'S VIEWS

## TOPIC: PUZZLES



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### Mathematical View

The word puzzles refers to a type of game, toy or problem that requires ingenuity, logic, vision and perseverance to reach a solution. It is a word originally from the English language, in a loose translation meaning decoupage.

The puzzle game consists in reconstructing an image or a three-dimensional object with numerous pieces (different in shape and colour) that can be interspersed.

The application <http://www.jigzone.com/> comes to our aid in order to fragment an image into several pieces to be assembled to reconstruct the original image.

**Math puzzles** do not require advanced math knowledge.

Unlike mathematical games, part of recreational mathematics, which involve the training of two or more players, we can say that math puzzles can be solved by one or more players.



Sudoku



Tangram  
Researcher,  
Ioan Fechet



### Artistic View

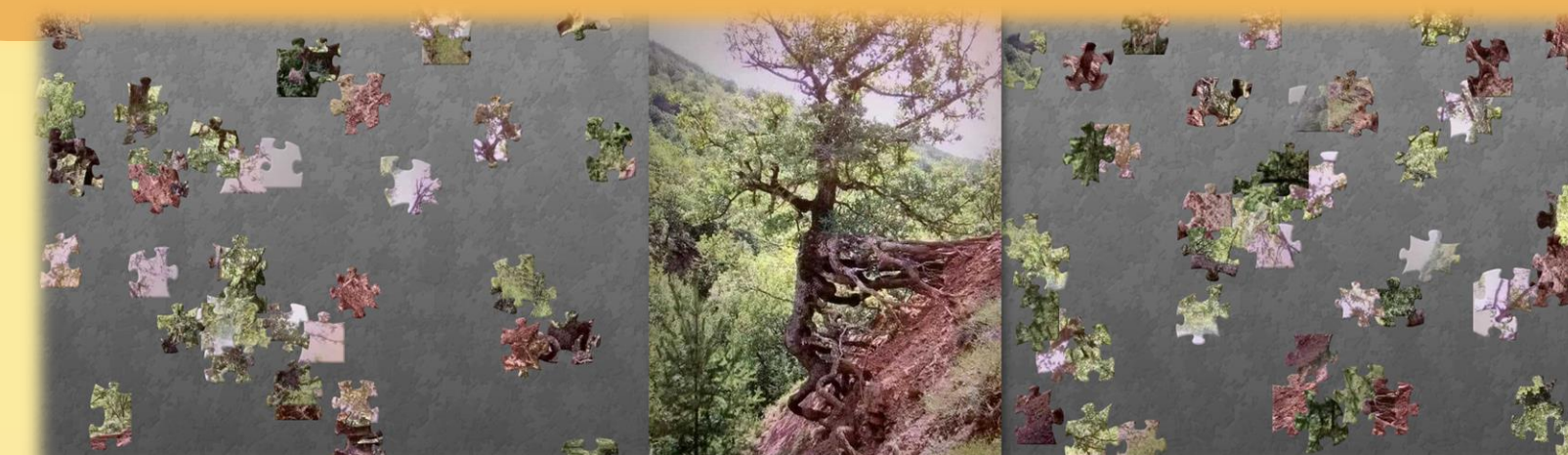
The field of recreational mathematics stimulates curiosity and inspires the desire to deepen mathematics.

It is a real pleasure to reconstruct a painting, an image that was initially cut out

The artist tries to reconstruct the initial figures using color, symmetry, etc



The artist, Alexandra-Doria Jurj



### Common View

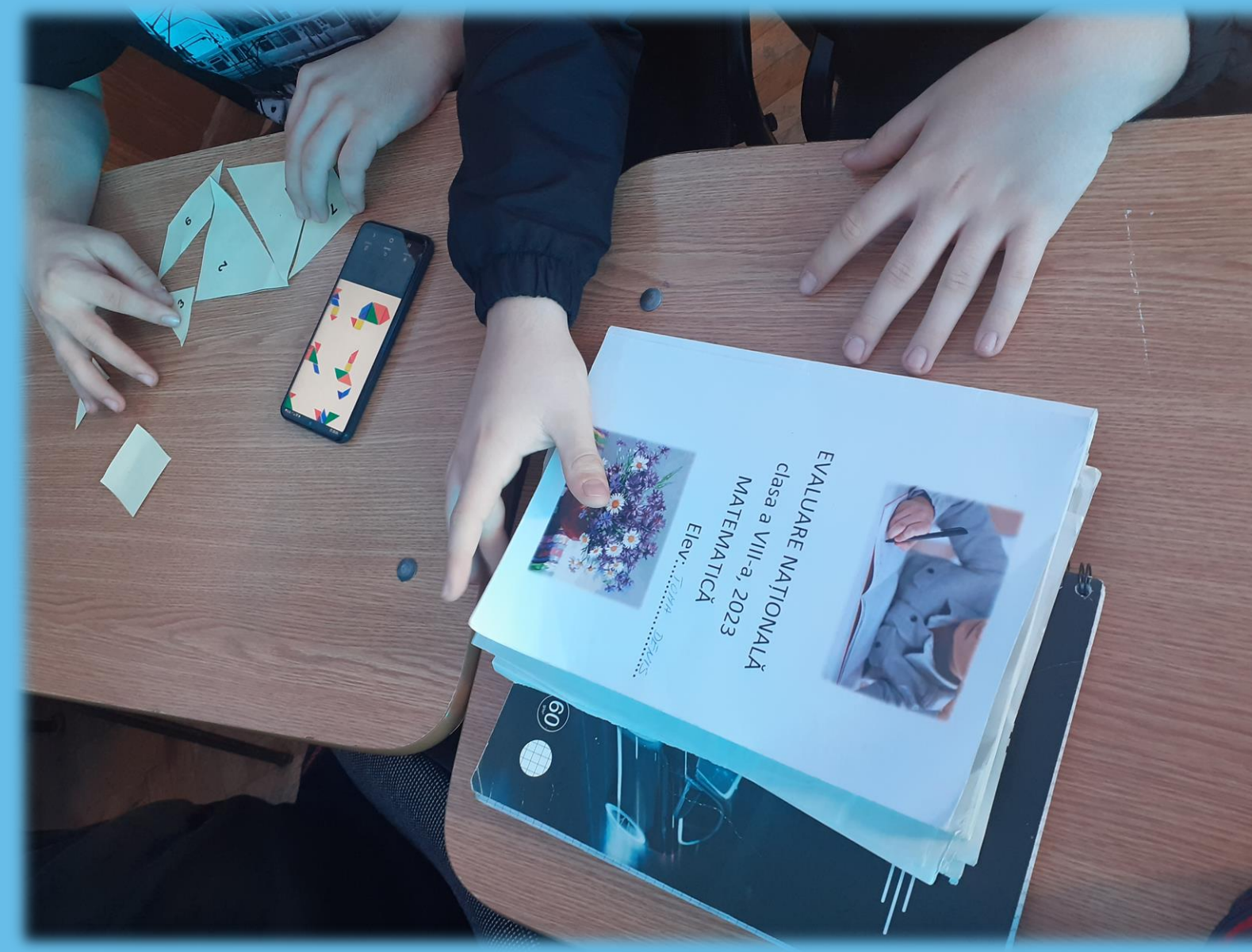
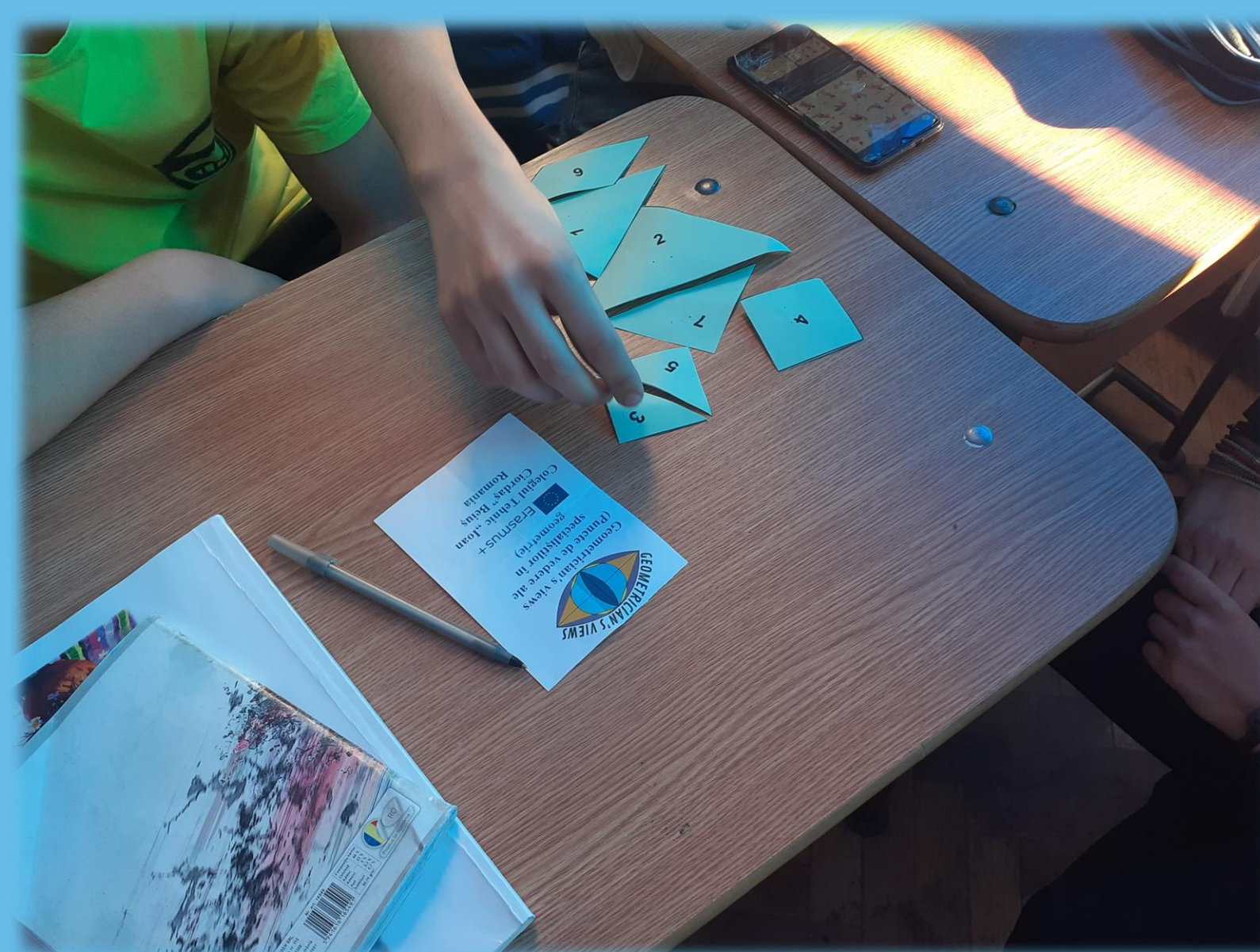
Other math puzzles are considered: SOMA Cube, The Rubik Cube, Rubik's Domino, Solitaire, Polyminoes, Pentominoes, Sudoku.

We recommend that you visit the websites

<https://www.rd.com/article/math-puzzles/> and  
[https://gambiter.com/puzzle/Mathematical\\_puzzle.html](https://gambiter.com/puzzle/Mathematical_puzzle.html)

Mathematics develops harmoniously the thinking of the child and the student.

*We don't have to draw a line between math and math games. It is a harmonious connection between logic of thought, creativity and mathematics.*



artists, researcher, teachers involved in the project

