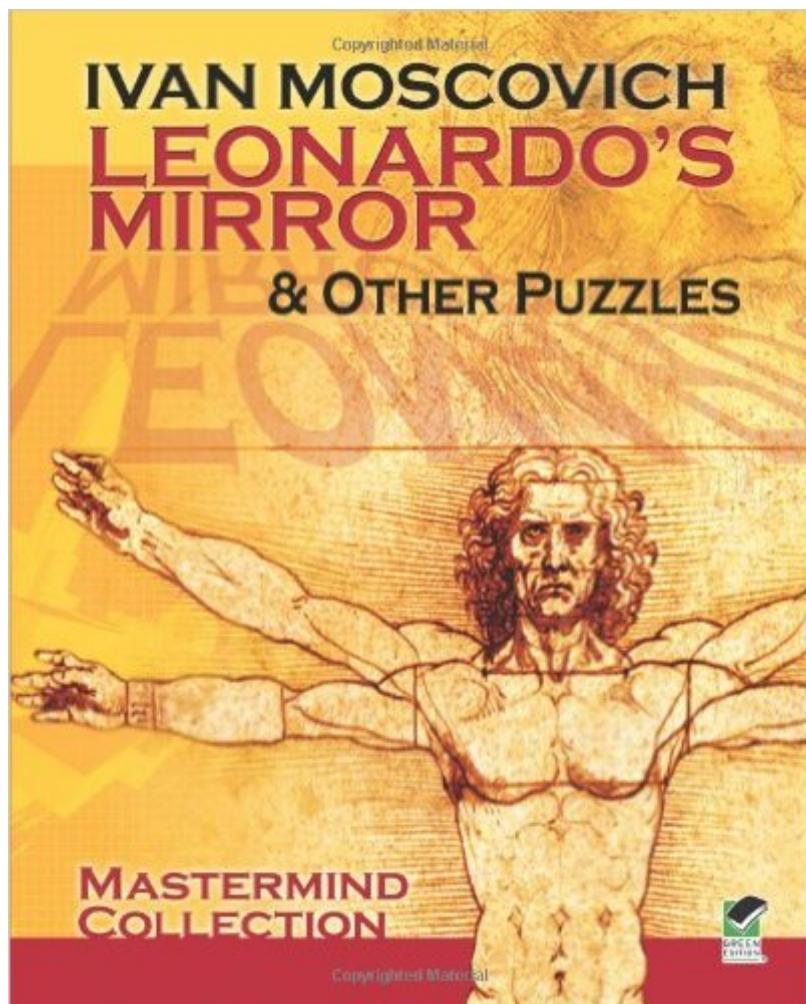


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Leonardo's Mirror And Other Puzzles (Dover Recreational Math)



Synopsis

One of the world's top puzzle- and game-makers compiled this visually stunning assortment of 86 mathematical challenges. Ivan Moscovich presents his own inventions along with classic mind-bogglers from throughout history. Each promotes creative thinking, providing intellectual satisfaction as well as entertainment. These thought-provoking puzzles offer fresh insights into many concepts common to art, science, and everyday life. They include a tribute to Leonardo da Vinci that involves his famous hidden messages as well as several of his dissection dilemmas. "The Hamilton Way" concerns the problem of visiting all of the vertices of a graph, and "Catenary: The Gravity Curve" suggests a captivating experiment with a chain or a necklace. Each puzzle is accompanied by colorful graphics that help explain the underlying mathematics. Complete answers appear at the end, presenting not only solutions but also explanations that illustrate simple mathematical principles.

Book Information

Age Range: 8 and up

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Customer Reviews

Did you know that Leonardo Da Vinci was fascinated with the idea of dissecting curved figures and transforming them into squares? So says Ivan Moscovich, the designer of these puzzles and games which provide a learning experience that he calls "recreational mathematics." This collection of puzzles and games contains a tribute to Da Vinci in the form of mirror writing and a dissection puzzle that is quite difficult to solve. Also included are puzzles based on lines, parabolas, curves,

and hexagons. Interspersed among the puzzles in this collection are fascinating facts about such things as the Kinemat art drawing machine, Fibonacci numbers, and the best way to pack circles. The answer pages provide not only solutions, but also explanations for the answers that present simple principles of mathematics. These puzzles are not just challenging and educational, but they are a visual treat as well, since each puzzle has one or more colorful and esthetically pleasing illustrations. Some of these puzzles are real mind benders, but that makes discovering the solution all the more rewarding. Happy puzzling! Eileen Rieback

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