



The Master Book of Mathematical Recreations (Dover Recreational Math)

By Fred Schuh

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Praised for its "exceptionally good value" by the *Journal of Recreational Mathematics*, this book offers fun-filled insights into many fields of mathematics. The brainteasers include original puzzles as well as new approaches to classic conundrums. A vast assortment of challenges features domino puzzles, the game of noughts and crosses, games of encirclement, sliding movement puzzles, subtraction games, puzzles in mechanics, games with piles of matches, a road puzzle with concentric circles, "Catch the Giant," and much more. Detailed solutions show several methods by which a particular problem may be answered, why one method is preferable, and where the others fail. With numerous worked examples, the clear, step-by-step analyses cover how the problem should be approached, including hints and enumeration of possibilities and determination of probabilities, application of the theory of probability, and evaluation of contingencies and mean values. Readers are certain to improve their puzzle-solving strategies as well as their mathematical skills.

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About the Author

Dutch mathematician Frederik Schuh (1875–1966) received his PhD in algebraic geometry from Amsterdam University and taught at the Delft University of Technology.

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