

The Moscow Puzzles 359 Mathematical Recreations

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Impossible Folding Puzzles and Other Mathematical Paradoxes
The Master Book of Mathematical Recreations
The Canterbury Puzzles
Mathematical Recreations and Essays
Paradoxes in Mathematics
The Mathematical Education of Exceptional Children and Youth
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this is quite simply the best and most popular puzzle book ever published in the soviet union since its first appearance in 1956 there have been eight editions as well as translations from the original russian into ukrainian estonian lettish and lithuanian almost a million copies of the russian version

alone have been sold part of the reason for the book's success is its marvelously varied assortment of brainteasers ranging from simple catch riddles to difficult problems none however requiring advanced mathematics many of the puzzles will be new to western readers while some familiar problems have been clothed in new forms often the puzzles are presented in the form of charming stories that provide non russian readers with valuable insights into contemporary russian life and customs in addition martin gardner former editor of the mathematical games department scientific american has clarified and simplified the book to make it as easy as possible for an english reading public to understand and enjoy he has been careful moreover to retain nearly all the freshness warmth and humor of the original lavishly illustrated with over 400 clear diagrams and amusing sketches this inexpensive edition of the first english translation will offer weeks or even months of stimulating entertainment it belongs in the library of every puzzlist or lover of recreational mathematics

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treasury of stimulating challenging brainteasers includes puzzles involving numbers letters probability reasoning whole numbers more the enterprising snail the fly and the bicycles the lovesick cockroaches mr wright and the insurance salesman many others no advanced math needed solutions included

fun filled math based puzzles include elephants and castles trianglized kangaroo honest dice and logic dice mind reading powers and dozens more complete solutions explain the mathematical realities behind the fantastic sounding challenges

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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

this book includes 110 puzzles not as individual problems but as incidents in connected stories the first 31 are amusingly posed by pilgrims in chaucer s canterbury tales additional puzzles are presented using different characters many require only the ability to exercise logical or visual skills others offer a stimulating challenge to the mathematically advanced

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publisher fact sheet recalling stephen pinker s the language instinct the author argues that humans are born with an instinct for puzzles that betrays a larger search for the meaning of life this instinct has led to discoveries in mathematics and science as well as revolutions in philosophical thought

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