Mathematical Recreations and Essays (Dover Recreational Math)

W. W. Rouse Ball, H. S. M. Coxeter
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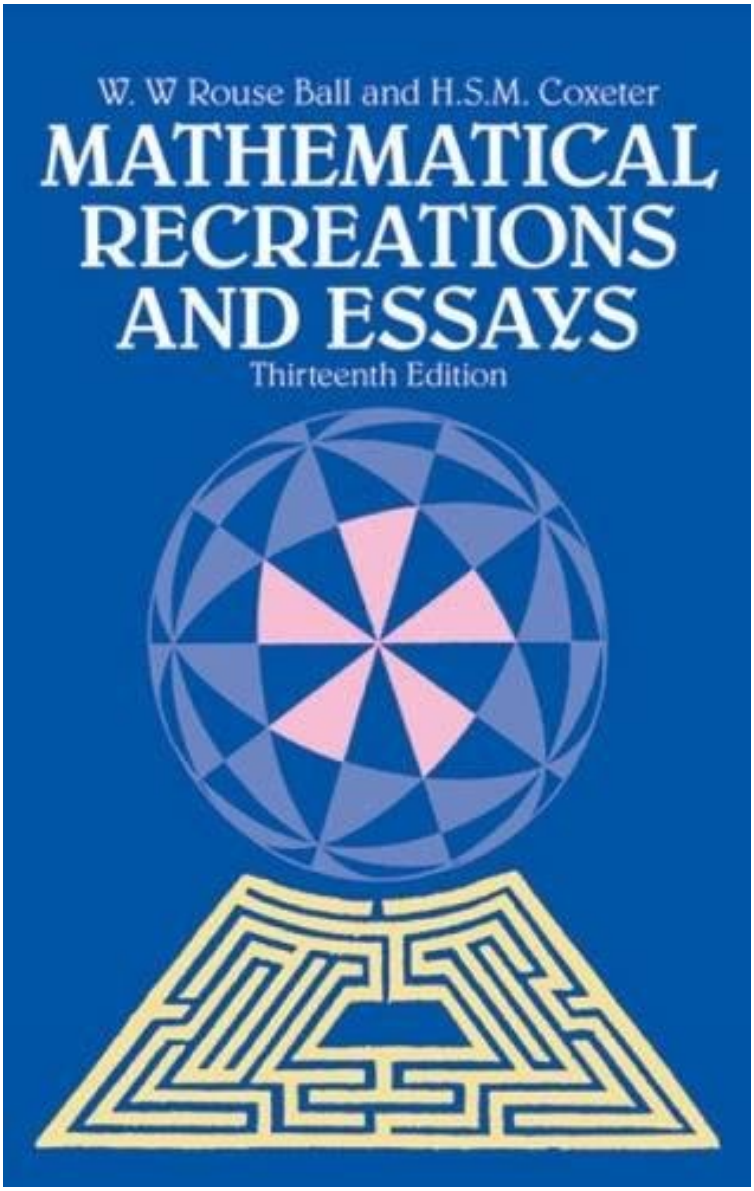

#790024 in Books W W Rouse Ball 2010-05-06 2010-04-08Original language:EnglishPDF # 1 8.47 x .92 x 5.41l, 1.00 #File Name: 0486253570464 pagesMathematical Recreations and Essays | File size: 78.Mb

W. W. Rouse Ball, H. S. M. Coxeter : Mathematical Recreations and Essays (Dover Recreational Math) before purchasing it in order to gage whether or not it would be worth my time, and all praised Mathematical Recreations and Essays (Dover Recreational Math):

1 of 1 people found the following review helpful. Revised ClassicBy Dr. James V. BlowersOne of the books that I read from the library when I was a child and teenager in the late 1950s and early 1960s was WW Rouse Ball's

"Mathematical Recreations and Essays". I learned a lot about mathematics from this book. But I have been away from my home town for many years now, and had never seen the book since then. When I saw it available on , I bought it. Much of it seemed familiar, but there were revisions made, as I see references to years in the 1980s. Also I note that HSM Coxeter is now a co-author. He's another author from my child and teen days, especially his "Mathematical Models" book which I have. It is still a good book for learning about fun mathematical things, and I highly recommend it, and it reminds me of the old days.0 of 0 people found the following review helpful. ... bought the ebook version and the format is so bad that it is not readableBy peachhjfI bought the ebook version and the format is so bad that it is not readable.0 of 0 people found the following review helpful. Best consumed in chunksBy Scott HensonA classic. Challenging but fascinating. Best consumed in chunks.

"The classic work on recreational math in English."Martin GardnerFor nearly a century, this sparkling classic has provided stimulating hours of entertainment to the mathematically inclined. The problems posed here often involve fundamental mathematical methods and notions, but their chief appeal is their capacity to tease and delight. In these pages you will find scores of "recreations" to amuse you and to challenge your problem-solving facultiesoften to the limit.Now in its 13th edition, Mathematical Recreations and Essays has been thoroughly revised and updated over the decades since its first publication in 1892. This latest edition retains all the remarkable character of the original, but the terminology and treatment of some problems have been updated and new material has been added.Among the challenges in store for you: Arithmetical and geometrical recreations; Polyhedra; Chess-board recreations; Magic squares; Map-coloring problems; Unicursal problems; Cryptography and cryptanalysis; Calculating prodigies; and more.You'll even find problems which mathematical ingenuity can solve but the computer cannot. No knowledge of calculus or analytic geometry is necessary to enjoy these games and puzzles. With basic mathematical skills and the desire to meet a challenge you can put yourself to the test and win. "A must to add to your mathematics library."The Mathematics Teacher

About the AuthorH. S. M. Coxeter: Through the Looking GlassHarold Scott MacDonald Coxeter (19072003) is one of the greatest geometers of the last century, or of any century, for that matter. Coxeter was associated with the University of Toronto for sixty years, the author of twelve books regarded as classics in their field, a student of Hermann Weyl in the 1930s, and a colleague of the intriguing Dutch artist and printmaker Maurits Escher in the 1950s.In the Author's Own Words:"I'm a Platonist a follower of Plato who believes that one didn't invent these sorts of things, that one discovers them. In a sense, all these mathematical facts are right there waiting to be discovered.""In our times, geometers are still exploring those new Wonderlands, partly for the sake of their applications to cosmology and other branches of science, but much more for the sheer joy of passing through the looking glass into a land where the familiar lines, planes, triangles, circles, and spheres are seen to behave in strange but precisely determined ways.""Geometry is perhaps the most elementary of the sciences that enable man, by purely intellectual processes, to make predictions (based on observation) about the physical world. The power of geometry, in the sense of accuracy and utility of these deductions, is impressive, and has been a powerful motivation for the study of logic in geometry.""Let us revisit Euclid. Let us discover for ourselves a few of the newer results. Perhaps we may be able to recapture some of the wonder and awe that our first contact with geometry aroused." H. S. M. Coxeter