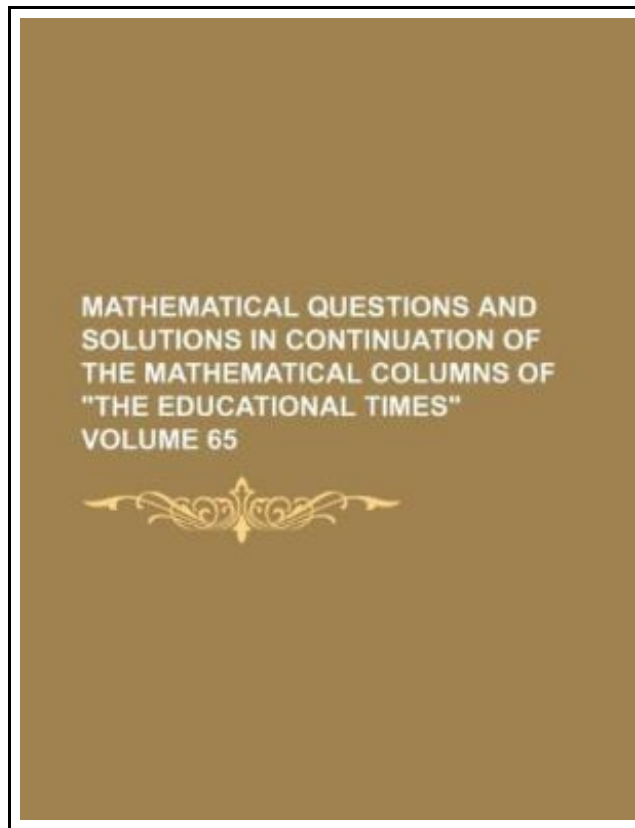


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Reviews

Extensive manual! Its such a great read. It really is loaded with knowledge and wisdom You wont really feel monotony at at any time of your time (that's what catalogs are for regarding if you ask me).


(Myrl Hintz)


MATHEMATICAL QUESTIONS AND SOLUTIONS IN CONTINUATION OF THE MATHEMATICAL COLUMNS OF THE EDUCATIONAL TIMES VOLUME 65



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Rarebooksclub.com, United States, 2012. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****.This historic book may have numerous typos and missing text. Purchasers can download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. 1896 Excerpt: .Sharp, M.A.)--If Pr denote the coefficient of x^r in the expansion of $(1+x)^c$, Cr denote the number of combinations of c things taken r together, form the equations of differences which determine nPr , and Cr , and hence show that these are equal. 12898. (H. Fortey.)--Four random chords are drawn in a circle find the chance of any number of intersections from 0 to 6, both included. Note by the Editor. 1. This Question arose out of a very old one (Question 3631), proposed by me many years ago, and of which a Solution has been given by Mr. Fortey on page 59 of Vol. Lxiv. But the Solution of the present Question (12898) has led to so much prolonged controversy that we summarize the whole below. 2. Mr. Biddle solved the Question as follows: --The odds against intersection of any two random chords are 2 to 1; for $2 \times \int_0^1 (1-x) dx =$, whilst $\int_0^1 (1-x)^2 + x dx = \frac{1}{6}$. And it is easy to see that the several probabilities required are given by the successive terms in the expansion of $(1+x)^{-1}$, where n = the number of chords concerned; in the present case, $(+1)^6$. 3. Mr. Fortey having seen the solution by Mr. Biddle, remarks that his own solution gives different results, even when there are only 3 random chords; hence, confining his demonstration to that case, he leaves mathematicians to decide which is right. He gives,...

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