



## Mathematical Questions and Solutions in Continuation of the Mathematical Columns of the Educational Times Volume 30

By Books Group

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. 1879 Excerpt: .he approves in the Reprint, referred to above. Are these solutions correct? 3. In the first number of the Mathematical Visitor, I proposed the following problem: -- The first of two casks contains a gallons of wine, and the second b gallons of water; part of the water is poured into the first cask, and then part of the mixture is poured back into the second; find the probability that not more than one--th of the contents of the second cask is wine. Mr. Henry Heaton solved this problem in substance as follows: --Let  $x$  = number of gallons of water poured into the first cask, and  $y$  = number of gallons of the mixture poured back into the second. Then  $y$  must not exceed  $i$ , the probability of which is---or  $(n-l)a-x a + x$ , and the probability required is  $1 (--1)--4 l0 / (--D-...$



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