



## Mathematical Questions with Their Solutions Volume 7-9; From the Educational Times.

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. 1867 Excerpt: .are the mid-points of the sides of ABC. Hence we have-- =or i-i =. 2 4 2 To find m2; for the moment suppose P and R fixed whilst Q travels along AC; make AQ =x, ARP = o, and CPR = 0. Then the mean value of (PQR)2 becomes p dx (l-x)a + x = l(x2 + a/3 + /32). O Themeanvalueofa8(asof/32)is ( / dx.2Y(ABC)-, i.e. MPJf. O The mean value of a0 is ( / dx (x-xykBCy, i.e.i- 0 where in explanation of the latter equation it may be observed that when R remains fixed a varies as BP, say x, whilst j8 varies as CP or (1-x), so that the mean value of afi on this preliminary supposition varies as f1 dx . x (1-x) (ACR. BCR). o Hence we have m, = l (l + 1 + i) = 1. Finally the...



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