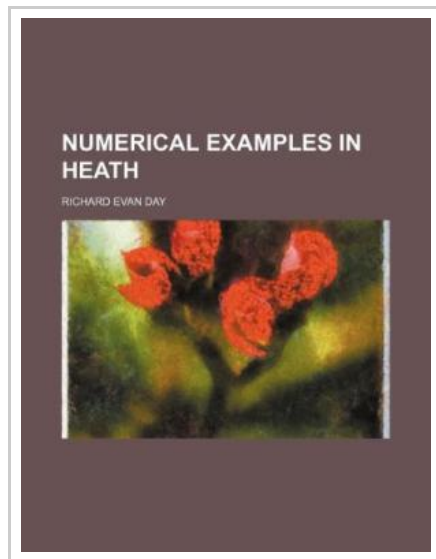




Numerical Examples in Heath (Paperback)

By Richard Evan Day

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. 1885 Excerpt: .final pressure $20 = 20x = 19 \cdot 12$ centimetres. 20-87 But the atmospheric pressure balances the pressure of this air, the pressure of the vapour, and the column of mercury in the tube; hence, if x be the vapour pressure we have $+ 55 \cdot 13 + 19 \cdot 12 = 76$. $x = 175$ centimetre. (7.) A similar experiment was then performed with ether vapour. The air initially occupied 18 centimetres of the tube and the height of the mercury column was 58 centimetres, the laboratory barometer standing at 75 centimetres. On introducing a little ether the height of the mercury column became 257 centimetres. What was the pressure of the ether vapour? Answer. $43 \cdot 217$ centimetres. (8.) A long barometer tube of uniform bore which is inverted over mercury contains at its upper part some dry air which occupies a length of 15 centimetres. The height of the mercury column...



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