Lectures on Elementary Mathematics

By Joseph Louis Lagrange

Rarebooksclub.com, United States, 2013. 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 usually download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. 1901 edition. Excerpt: .equations. in existence, and we owe to these passages at arms many important discoveries in analysis. Such was the resolution of equations of the fourth degree, which was propounded in the following problem. To find three numbers in continued proportion of which the sum is 10, and the product of the first two 6. Generalising and calling the sum of the three numbers a, the product of the first two b, and the first two numbers themselves x, y, we shall have, first, xy = b. Owing to the continued proportion, the third number v2 will then be expressed by--, so that the remaining condition will give y.x+y+-=a. From the first equation we obtain x=, which sub y stituted in the second gives b f Removing the fractions and arranging the terms, we get finally y + bf--a ly + P--, an equation of...

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