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The Course of Study in Arithmetic: For the Public Schools of Philadelphia (Classic Reprint)

By Edward Brooks

Forgotten Books, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.Excerpt from The Course of Study in Arithmetic: For the Public Schools of Philadelphia Arithmetic is a science and an art. As a science it treats of the relations and principles of numbers. As an art it includes the various operations with numbers. In teaching arithmetic, the object is to make pupils familiar with both the science and the art of numbers. The art of arithmetic and much of the science grow out of the language used in expressing numbers. This language is based upon the decimal system of grouping numbers and the Arabic system of writing numbers. This system of naming and writing numbers is purely conventional and has no necessary relation to numbers. Given another method of naming and writing numbers, and our arithmetic would be very materially changed. The science and art of arithmetic are based upon four fundamental operations, viz.: addition, subtraction, multiplication, and division. Addition and subtraction are the two primary forms of synthesis and analysis; multiplication and division are the two derivative processes of synthesis and analysis. About the Publisher Forgotten...



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