NEW ELEMENTARY ARITHMETIC, EMBRACING MENTAL AND WRITTEN EXERCISES FOR BEGINNERS

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New Elementary Arithmetic, Embracing Mental and Written Exercises for Beginners by Benjamin Greenleaf

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BENJAMIN GREENLEAF

NEW ELEMENTARY ARITHMETIC, EMBRACING MENTAL AND WRITTEN EXERCISES FOR BEGINNERS

Trieste

NEW

Elementary Arithmetic,

EMBRACING

MENTAL AND WRITTEN EXERCISES,

FOR BEGINNERS.

PREPARED TO ACCOMPANY THE MATHEMATICAL SERIES OF

BENJAMIN GREENLEAF, A. M.

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GREENLEAF'S

COMPREHENSIVE SERIES.

NEW PRIMARY ARITHMETIC.
NEW ELEMENTARY ARITHMETIC.
NEW PRACTICAL ARITHMETIC.

MANUAL OF INTELLECTUAL ARITHMETIC.

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DEPARTMENT OF EDUCATION
LELAND STANFORD JUNIOR UNIVERSITY

PREFACE.

IN mental culture, no less than in manual labor, it is desirable to have instruments especially adapted to the work to be performed. Of late it has become very evident that there are numerous learners, of limited opportunities, who require an easy, comprehensive course of arithmetic. Such, having no time to master the several books of a consecutive series, however excellent, demand, in a single book, the more important principles of the science, combined with the more useful applications to ordinary business computations.

In most Graded Schools, also, there may be found a class of pupils who might advantageously use a brief elementary course, uniting mental and written exercises, before passing to any more elaborate treatise. Experience has demonstrated that beginners are best initiated into any branch by means of repeated simple illustrations and numerous easy examples.

These conditions have been carefully kept in view, during the preparation of this work, and no labor has been spared to embody such improved methods of putting things, sanctioned by the best educators, as may not heretofore have found a place in any text-book.

The work is analytic and inductive. Mental and written exercises have been combined, with the same forms of analysis applied to both. By this plan, not only a volume, of separate mental arithmetic is rendered superfluous, but valuable time is saved, and the pupil's progress promoted by an order at once natural and scientific. The number of topics treated is necessarily limited, yet will be found sufficient in range to prepare for common business.

The great favor with which the Elementary Arithmetic has been everywhere received, has induced the editor to take advantage of the necessity of the renewal of the electrotype plates, to make it still more attractive and useful.

Questions which may be omitted at the option of the teacher have been denoted by °.

Bank Discount, and United States Bonds, and the Metric System have been included among the topics treated; copious Dictation Exercises, mental and written, and Test Examples have been appended for the convenience of teachers, and to furnish additional practice for the pupil.

This work, and the Primary which precedes, it is believed, form a very simple and practical SHORTER COURSE IN ARITHMETIC, especially adapted to the wants of many learners.

SILVER LAKE, MASS., *May*, 1882.

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NEW
ELEMENTARY ARITHMETIC.

NUMBERS.

1.	A **Unit** is a single thing of any kind, or	**one.**
2.	One unit and one unit are two units, or	**two.**
3.	Two units and one unit are three units, or	**three.**
4.	Three units and one unit are four units, or	**four.**
5.	Four units and one unit are five units, or	**five.**
6.	Five units and one unit are six units, or	**six.**
7.	Six units and one unit are seven units, or	**seven.**
8.	Seven units and one unit are eight units, or	**eight.**
9.	Eight units and one unit are nine units, or	**nine.**

What is a Unit? What are one and one called? Two and one? Three and one? Four and one? Five and one? Six and one? Seven and one? Eight and one?