A SHILLING ARITHMETIC

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A shilling arithmetic by S. L. Loney & L. W. Grenville

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S. L. LONEY & L. W. GRENVILLE

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SHILLING ARITHMETIC

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PREFACE.

This little book has been prepared in the hope of meeting the requirements of Secondary Schools, and covers the course for the Oxford and Cambridge Junior Local Examinations. The scheme recommended by the Mathematical Association has been generally followed, though it was not found advisable, or even possible, to omit entirely the subject of Recurring Decimals.

The book is written on the lines of Loney's "Arithmetic for Schools," and both its text and examples have been used when they seemed best adapted to the present purpose. Many changes and simplifications have, however, been made which a considerable experience in School Teaching has suggested.

In order to deal as fully as possible with the less elementary processes of Arithmetic, and at the same time to keep the book within a reasonable size, it is assumed that the student already knows the four "Simple" Rules and the "Compound" Rules. Twelve pages of miscellaneous questions on these are given, and it is hoped that they will be found sufficient for revision. The ordinary Tables are prefixed.

December 4th, 1905.

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ARITHMETIC.

TABLES.

MONEY.

4	Farthings	make	1	Penny.
12	Pence		1	Shilling.
20	Shillings	**	1	Pound.

TIME MEASURE.

60	Seconds (60°)	make	1	Minute (1').
60	Minutes	59	1	Hour.
24	Hours	,,	1	Day.
7	Days	,,	1	Week.
4	Weeks	,,	1	Month (Lunar).
12	Months	**	1	Year.
365	or 366 Days	**	1	Year.

[Every year, whose number is divisible by 4, is a leap year and contains 366 days, except the years A, D. 1700, 1800 and 1900, which are not leap years.]

AVOIRDUPOIS WEIGHT.

16	Drams (Drs.)	make	1	Ounce (Oz.).
16	Ounces		1	Pound (I.b.).
28	Pounds	"	1	Quarter (Qr.).
4	Quarters		1	Hundredweight (Cwt.).
20	Hundredweight	1.1.1.1.1.1		Ton (Ton).

Also 1 stone = 14 lbs.

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TROY WEIGHT.

24 Grains	make	1	Pennyweight (Dwt.).
20 Pennyweights		1	Ounce (Oz.).
12 Ounces	,,	1	Pound (Lb.).

The connection between Troy and Avoirdupois Measure is :

1 lb Avoirdupois=7000 grains Troy,

and 1 lb. Troy = $12 \times 20 \times 24 = 5760$ grains Troy.