PRACTICAL ARITHMETIC FOR SENIOR CLASSES

Published @ 2017 Trieste Publishing Pty Ltd

ISBN 9780649677498

Practical Arithmetic for Senior Classes by Henry G. C. Smith

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HENRY G. C. SMITH

PRACTICAL ARITHMETIC FOR SENIOR CLASSES

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PRACTICAL ARITHMETIC

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FOR

SENIOR CLASSES.

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HENRY G. C. SMITH,

TEACHER OF ARITHMETIC AND MATHEMATICS, GEORGE HERIOT'S BOSPITAL.

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Eleventh Edition, Improved.

EDINBURGH:

OLIVER AND BOYD, TWEEDDALE COURT. LONDON : SIMPKIN, MARSHALL, AND CO.

1884,

Answers to this Book may be had, price fid. C 1802 - 42.



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PRACTICAL ARITHMETIC FOR JUNIOR CLASSES. * BY HEART G. C. SMITH.

Price 6d.-Answers to Ditto, 6d.

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THIS Manual, which is a Sequel to Practical Arithmetic for Junior Classes, is intended for the use of those who have mastered the Fundamental Rules in Simple and Compound Numbers.

1.1

Considerable space, in accordance with the importance of the subject, has been devoted to the explanation of Fractions. The Metric System of Weights and Measures is treated in

a manner befitting its general use for scientific purposes.

The Exercises, which are copious and original, have been constructed to combine interest with utility. They are arranged in distinct Sections, and are accompanied with Illustrative Processes.

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In view of practical instruction, the explanatory remarks throughout the work are more of a concrete than an abstract character.

. The Answers to the Exercises are published separately.

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ARITHMETICAL TABLES.

L MONEY.

MOXEY	OF ACCOUNT.	
4 farthings	= 1 pepay	d.
12 d.	= 1 shilling	8.
20 s.	= 1 pound	£.
d. for denar L	ius: s. for solida. for libra.	17
We Westmann a set		- C

DECIMAL DIVISION OF £1.						
10 mils, m	= 1 cent	٥.				
10 0	= 1 florin	f.				
10 fL	= 1 pound	₽.				

COINS IN OIBCULATION.

GOLD. Boversign, £1; Half-see. 10. 1969 sovereigns are coined out of 40 lh troy of sterling gold.

BELVER. Oronos, 5a.; Hf-or. 2a, 6d.; Florin, 3a.; Shiling, 1a.; Mayones, 6d.; Groat, 4d.; Threepence, 3d. 66 shillings are coined out of 1 lb. truy of storing allver.

OBSOLETE CODML

Tester, 6d.; Dollar, 4/6; Noble, 6/8; Seven Shilling place; Angel, 10; Halfguines, 10;6 ; Mark, 13;4 ; Pistole, 14; Guines, 21/; Carolus, 23/; Jacobus, 25/; Moidore, 27/; Joannes, 36/.

The denominations of Scots Money are one-issoi/th of the value of the corresponding names in sterling : thus,

Scots == 20d. sterling. 21 + = 1d. 1. . Also, 1 merk . = 131d. .

IL WEIGHT.

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The Act, 5º Geo. IV. cap. 74, Ane Act, 5" (reo. 1V. cap. 74, for establishing USIFORMITY OF WEIGHTS AND MEASURES, came into operation on lat Jan. 1826. By the Weights and Measures Act 1878 (41° and 43° Vic. cap. 49), the Imperial Standard of Weight construction to be the De-Weight continues to be the Pousn Avointopore, now in the Stand-ards Department of the Board of Trade; and of which, copies are placed in the Mint, the Royal Society of London, Greenwich Observatory, and the Palace at Westminster.

AVOIRDUPOIS WEIGHT.

Avoir. WL is the general weight of commerce. 1 lb. avoir. = 7000 grains.

16 drams, 6	r. == 1 ounce	64.
16 05.	= 1 pound	25.
28 lb.	= 1 guarter	gr.
4 gr. or 11	2Ib.= 1 hundredy	rt.coot.
20 owt.	= 1 top	T.
	Also,	
14 lb.	= 1 stone	
100 Ib.	= 1 cental	
	Contraction and the second second	

TROY WEIGHT.

Troy Wt. is used in weighing the precious mutals.

24 grains, gr. = 1 pennywt. dwt. 20 dwt. = 1 ounce oz.

12 oz. or 5760 gr. = 1 pound 20.

At the Mint, the Ouxon Thoy is divided into 1000ths.

divided into 1000ths. The fineness of gold is estimated in caratis. Fure gold is said to be 24 caratis fine. Sterling gold, of which every 24 parts contain 2 of alloy, is 22 caratis fine.