KEY TO HUNTER'S MANUAL OF SHORT METHODS IN ARITHMETIC

Published @ 2017 Trieste Publishing Pty Ltd

ISBN 9780649314188

Key to hunter's manual of short methods in arithmetic by J. Hunter

Except for use in any review, the reproduction or utilisation of this work in whole or in part in any form by any electronic, mechanical or other means, now known or hereafter invented, including xerography, photocopying and recording, or in any information storage or retrieval system, is forbidden without the permission of the publisher, Trieste Publishing Pty Ltd, PO Box 1576 Collingwood, Victoria 3066 Australia.

All rights reserved.

Edited by Trieste Publishing Pty Ltd. Cover @ 2017

This book is sold subject to the condition that it shall not, by way of trade or otherwise, be lent, re-sold, hired out, or otherwise circulated without the publisher's prior consent in any form or binding or cover other than that in which it is published and without a similar condition including this condition being imposed on the subsequent purchaser.

www.triestepublishing.com

J. HUNTER

KEY TO HUNTER'S MANUAL OF SHORT METHODS IN ARITHMETIC

Trieste

KEY

TO

HUNTER'S MANUAL

OF

SHORT METHODS IN ARITHMETIC

CONTAINING SOLUTIONS OF ALL THE UNWORKED REAMPLES IN THAT TREATISE

BT THE

REV. J. HUNTER, M.A.

LONDON LONGMANS, GREEN, AND CO. 1884

dil rights reserved



LONDON : PRINTED BY SPOTTHWOODD AND CO., BRY-STREET SQUARE AND PARIALMENT STREET

KEY

35

то

HUNTER'S MANUAL

OF

SHORT METHODS IN ARITHMETIC.

-0-

Exercises 1.

3	8188	2668	2.	3	17591	4871	0
i.	8004				13113		
14	2668	184		2	4371	2)4276	
1	184				4278	2139	
	828			23	2159	Ans. 93	
í	736				186		
2	184	Ans. 92			279	5	
1	39330	29735	£.	1	118007	73033	3,
1		70.000.000	ł.	1		100 2 Y 4 3 Y 4 1	I .
1	39330 29785 28785	29735 9595	4.	1	118007 73033 67461	73033 2)44974 22487	Ļ
1 20	29785	70.000.000	ł.	1 3 16	73035	2)44974 22487 4)5572	
	29735 28785	9695	ł.	loses	73033 67461	2)44974 22487	I.
20	29735 28785 9595	9595 2)950	ł.	loses	73033 67461 22487	2)44974 22487 4)5572	
20	29785 28785 9595 9500	9595 2)950 475	ł	18	73038 67461 22487 1393	2)44974 22487 4)5572	
1 20 5	29785 28785 9595 9500	9595 2)950 475	Ł	loses	73038 67461 22487 1393 8657	2)44974 22487 4)5572	

1 1	137897	6, 78329	1	67670	58345	5.
1	78329	12)59568	149	54500	9)3285	
1	7446	4)4964		365	Ans. 365	
1	3869 3723	1241		1788 1460		
117	1241	2)146		3286	1	
	73	Ans. 73	2 72		18 3	
1	ō1)	1				
	2)30094				2)5649	7.
28	15047	535			2824	
18	1066				3)1119	
	4387		2.5		378	
100	4264	2228-23	11 T		4)213 g.c.m. 53	
13	533 535	3)123	51	0 010	g.c.m. ba	
1	000	Ans. 41				
58	42527	781	5	5)26681	(#) (0	8.
72.2	3855		2	53363	22661	
1	5977			45322	0200308	
	5848		2	22661	8041	
17	731	3)129	0.00	16082		
	48	Ans. 43	11	8041	9)6679	
]	301		L.	8041	g.c.m. 731	
48	226269	469	3 1	42538	548467	9.
	1876		7 18	3+846	4)76916	
	4066	T		19229	19229	
	3752		7	15617		
	3149		12	15383		
2.3	2814		(J) 41	1 1922	5)2345	
1.3	469	5)335	3	1876	g.c.m. 469	
	469	Ans. 67	19	46		

KEY TO SHORT METHODS IN ARITHMETIC.

Exercises 2.

.

1. 693 = 3×3×7×11; cancelling 11 gives 13.-Ans. 2. 276 = 12 × 23; cancelling 23 gives 13.-4ns. 3. 925 = 5 × 5 × 37; cancelling 37 gives 18.—Ans. 4. 3311 = 11 × 7 × 43; cancelling 43 gives 14. - Ans. 5. 2765 = 5 × 7 × 79; cancelling 79 gives #.-Ans.

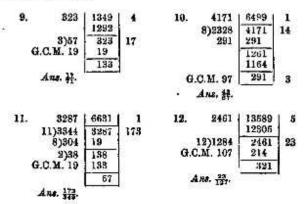
KEY TO SHORT METHODS IN ABITHMETIC.

12

6. 2538 = 6 × 9 × 47; cancelling 47 gives \$5.-Ans.

7. 4746 = 6 × 7 × 113; cancelling 113 gives 31.-Ans.

8. Cancelling 3 gives $\frac{n n n}{4391}$; then, $868 = 4 \times 7 \times 31$; cancelling 31 gives $\frac{n}{151}$. — Ans.



Exercises 8.

1.	71. H\$d.	2.	78s. 111d.
	2)87 9		$\frac{12}{2)947}$ 3
	43 101		473 71
	131 7		1499 93
	£6 11s. 7 ¹ / ₂ d. Ans.		274 19s. 93d. Ans.
3.	119s. 1014 12	4.	17s. 8 ¹ / ₂ d. 12
	4)1438 6		3)212 3
	359 71		70 9
	1798 14		300 8
	£89 18s. 14d. Ans.	£1	5 Os. 81d. Ans.
б.	6e. 5d. × 20	6.	13s. 61d.
	$= \pounds 6 + 1s. 8d. \times 5$		19
	= £6 8s. 4d. Ans.		1624.
			£8 21. 6d. Ana.

3

5

22

•

6	KEY TO SHORT	METHODS	IN ARITHMETIC.
7.	164s. 5d. 12	8.	16s. 101d. 12
	1973 0		2)202 6
	2137 5		2)101 3
	£106 17s. 5d. Ans.		50 74 364 44
			A17 14- 414 644
			211 198, 45a. Ans.
9.	80e. 8}d.	10.	17s. 91d.
	12		12
	368 3		218 6
	£18 8s. 3d. Ans.		281 34
		10	£11 11s. 3 ¹ / ₂ d. Ans.
11.	15e. 73d.	12.	51s. 9 4 d.
	12		12
	187 9		2)621 9
	29 7s. 9d. Ans.		2)810 104
			165 6
13.	90 <i>at</i>		1088 03 £54 8s. 03d. Ans.
1.04	30s. 6d. 20		COT OF OTAL AND.
	£304		
	. or £30 10s. Ans.		
14.	189s. 10d.	15,	1331. 111d.
	12	0.444	12
	2278 0		1607 6
	£113 18s. Ans.		1741 5
			287 1s. 5gd. Ar
16	143e. × 20 =	£143 - £14	15e Ane.
문문의	77 - 2022/05/05/05/05/05/05/05/05/05/05/05/05/05/		
17.	60. 11d. 12	18.	14s. 51d.
	4)83 0		12
	20 9		2)173 3 86 7

£5 3s. 9d. Ane.

274 39 £13 14s. 31d. Ans.

KEY TO SHORT METHODS IN ARITHMETIC.

19.	67s. 33d. 12	20. 12s. 11jd. × 10
	$ \begin{array}{r} 2)807 & 9 \\ 403 & 10 \\ \overline{1211} & 7 \\ \end{array} $	105 6 129 7 285 1
	£60 11s. 7]d. Ans.	£14 5s. 1d. Ans.
21.	36s. $1\frac{1}{2}d. \times 11$ 12	22. 97s. 6d. 12
	433 3 897 13	2)1170 0 2)585 0
	880 43	292 6
	£41 10s. 41d. Ans.	2047 6 £102 7s. 6d. Ans.

Exercises 4.

260 at 15	8. 24.			2.	264 at 9s.			
$\frac{240}{20 - \frac{1}{12}}$	£162 16	8	4		$\begin{array}{c c} 240 \\ 24 = \frac{1}{10} \end{array}$	£109 10	10 19	0
1,200,000	£197		_			£120		

3.	820 at 4.	1114.		
	240	£59	5	U
	80-1	19	16	Q
	Ans.	£79	U	0

2

240	£195	Б	0
80-1	65	1	8
24 = 10	19	10	6
Ans	£279	17	3

2111	₹356	1.0	
120 = 1	178	0	0
$12 = \frac{1}{12}$	17	16	0
4=+	ő	18	8

240	1 £163	0	-0
7	£163 4	15	ĩ
Ans	£167	15	ì

240	£341	0	Û
80 = ±	113	13	4
20 - 1	28	8	4
Ans.	£483	1	8

Otherwise, by Practice.

s. d.	£186	0	0
5 0=1	34	0	0
4 0 = 1 0 8 = 1	1 27	4	0
0 8=2	4	10	8
- 50	£201	14	8