KEY TO COMPLETE BUSINESS ARITHMETIC

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Key to Complete Business Arithmetic by George H. Van Tuyl

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GEORGE H. VAN TUYL

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NEW YORK IN CINCINNATI IN CHICAGO

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COPTRIGHT, 1918, SY GEORGE H. VAN TUYL.

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\$ 1071.46

\$ 12.56

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COMPLETE BUSINESS ARITHMETIC

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			Pa	ge 88				
34.	35,		36.		37.		88.	89.
\$ 2.08	\$ 2.56		5.46		7.46		1.63	\$ 3.65
2.78	8.61		5.93		4.04		2.85	2.16
4.21	3.97		4.14		4.74	ŝ	4.80	5.00
4.40	8.49		1.88		2.60		4.37	1.64
2.41	2.78		2.23		4.22		4.17	8.28
8.99	4.59		2.72		7.46		2.12	5.24
\$19.82	\$21.00	*	22.36	\$	80.52	8	19.44	\$ 20.97
		40.		41.		49.		
		3.27		1.97		2.11		
		3.88		2.37		8.98		
		2.94		4.88		6.80		
		6.25		8.66		4.15		
		5.08		20.02		8.15		
		7.70		8.81		1.60		
	\$	29.12	8	45.66	*:	21.74		

4

\$104.00

\$ 227.		Lake	90		
1.	8.	3.	4.	5.	6.
\$ 422.50	\$ 7.88	\$ 1562.50	\$.38	\$.77	\$ 23.25
637.50	8.58	2402.50	1.69	1.15	5.25
3.38	.56	1402.50	.67	21.56	46.25
- 8.08	.54	1537.50	.96	60.56	29.25

. ...

\$ 6905.00 8 \$8.70

\$ 84.04

NAMES OF EXPLOYERS			TIME		Wagae		TOTAL
			Regular	Overtime	Regular	Overtime	TOTAL
James Addison Henry Buell John Crane . William Crawford Albert Jones . Frank Landis . Theodore Money James Newton . George Orton . Thomas Rooney			Huurs 48 48 48 48 48 48 48 48 48 48 48 48 48	Hours 7 3 4 10 9 4 6 5 5 8	\$ 27.00 24.00 24.00 19.50 18.00 18.00 18.00 16.50 16.50 15.00 Total	\$4.92 2.19 2.81 5.47 4.57 1.88 2.81 2.34 2.16 3.13	\$31.92 26.19 26.81 26.47 24.07 19.88 20.81 20.84 18.65 18.13 \$283.27

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24. ‡ of marked price = marked price.

1 of marked price = discount.

i of marked price = selling price.

1 of ? = \$4.60.

\$4.50 + \$ = \$6.00, marked price.

} of cost = cost.

of cost = gain before marking down.

i of cost = marked price.

§ of ? = \$6.00.

\$6.00 + \$ = \$4.00, cost.

\$4.50 - \$4.00 = \$.50, gain after marking down.

 $\$.50 = ? \times \$4.00.$

 $8.50 + 84.00 = A_{00}^0 = 1$, part gained.

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- 25. 868½ × ⅔ × ℜ.14⅔ = ℜ85.40, selling price of ⅔.
 868½ × ½ × ℜ.12⅔ = ℜ36.91, selling price of ⅓.
 \$85.40 + ℜ36.91 = ℜ122.31, selling price of all.
- 53. 6 × 8 × 8.27 j = \$13.20, weekly wages.
 \$13.20 \$6.60 = \$6.60, weekly savings.
 13 x \$36.50 = \$501.88, cost of land.
 \$501.88 + \$6.60 = 76 x weeks = 70 wk. 2 hr.

\$1.45 + \$1.87 + \$1.92 + \$2.03 + \$1.84 + \$1.75 + \$1.76 + \$1.84 + \$2.06 + \$2.80 + \$2.47 + \$2.28 = \$24.07.
\$24.07 + 12 = \$2.00₁³, or \$2.01, average price.
\$2.01 - \$1.45 = \$.56, increase.
\$.56 = ? × \$1.45.
\$.56 + \$1.45 = ¹/₁³/₅, or more than \$ greater than first price.

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	1			T	IME	w,	LOXS	12100 A 17.5		
CLERK		Regular	Overtime	Regular	Overtime	TOTAL				
#1.						48	74	\$ 16.50	\$ 8.12	\$ 19.62
12.				2		48	8	15.00	2.84	17.84
#8.						48	21	20.00	1.80	21.90
#4.				2		48	23 42	18.00	2.23	20.23
\$5.						48	1	14.50	.88	14.88
46.						48	4	16.00	1.67	17.67
#7.		÷.		2		48	54	17.00	2.43	19.43
18.				÷.	19	48	4	19.50	2.08	21.58 \$ 152.00

4.1

#1.
$$\frac{74 \times \$16.59 \times 5}{48 \times 4} = \$8.12$$
, extra pay for #1.

	\$7.	88.	89.	40.	41.
Total Milk	63781 1Ъ.	63114 lb.	63639 15.	68256 lb.	61247 15.
Total Cheese	5070 lb.	6119 lb.	6084 lb.	5997 lb.	6847 lb.
	@1149	@111#	@1114	@104#	@1114
Total Money	\$ 589.89	\$718.98	\$676.85	8 644.68	\$ 665.10
Total Expense .	\$67.13	\$ 78.99	\$78.55	\$77.46	\$75.59
Pounds Milk to	128300200208	674 - CS2PCDOS	23-A2030-5114	0.0000000000000000000000000000000000000	11120200000000000
1 pound Cheese	10.607	10.314.	10.46	10.548	10.475
Ratio	.97115	1.014	.9401	.8967	.9625
Your Milk	1018 lb.	1165 lb.	1141 lb.	1150 lb.	1074 lb.
214 /4 (2 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6				\$ 10.81	
Less Cheese , .				81 1b38	
Your Money	\$9.89	\$11.81	\$ 10.78	\$ 9.98	\$10.34

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9. 45 men : ? men : : 9 da. : 12 da.
 12 × 45 men / 9 = 60 men.
 60 men - 45 men = 15 men, number of additional men required.

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§ 275. 1. lst cause : 2d cause :: lst effect : 2d effect. 75 sheets : 5000 sheets :: 24 lb. : ?. 36'' : 17''. 54'' : 22''. 200 4 $\frac{50999 \times 17 \times 22 \times 24 \text{ lb.}}{75 \times 54} = 307 \text{ lb. 18 oz.}$ 3 9 9

2. 1st cause : 2d cause :: 1st effect : 2d effect. 36 abeets : 3000 abeets :: 2 lb. :?. 24'' : 8''. 36'' : 12''. 500 $\frac{39699 \times 9 \times J2 \times 2 \text{ lb.}}{39 \times 24 \times 39} = 18 \text{ lb. 8 oz.}$ $\frac{39}{3} = 3 = 3$

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8.	4	5.
\$ 7.78	\$ 40.00	\$ 90,48
7.08	510.00	119.13
19.23	832.00	66.94
15.68	47.04	130.32
21.02	\$ 929.04	-89.58
10.07		418.48
\$80.71		\$ 864.83

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8.	428	7. 25,473	9.	\$ 187.50
	878	2,237		272.00
	1,301	28,238		1530.00
	873	2,287		2300.00
	2,174	20,999		925.00
	873	2,237		\$ 5214.50
	3,047	18,762		85
	878	2,237		
	8,920	16,525		
	878	2,237		
	4,793	14,288		
	873	2,287	10.	8 7.50
	5,686	12,051	2225	10.00
	873	- 2,287		5.00
	6,589	9,814		9.00
	873	9 997		2,99
	7,412	7,577		\$ 34.49
	873	2,287		
	8,285	5,840		
	878	2,237		
	9,158	3,108	151	
	873	2,287		
ī	0,031	866		
- 37		A		0.0.0

Quotient 11, Remainder 866.

§ 280. 1. 6 × 17 × \$1.50 = \$153.00, laborers.
 6 × 28 × \$3.60 = \$604.80, mechanics.
 6 × 9 × \$2.25 = \$121.50, teamsters.
 2 × \$15 = \$30.00, bookkeepers
 \$1560 ÷ 52 = \$30.00, superintendent.
 \$930.30, weekly pay roll.

\$ of \$ of the mine = \$\$ of the mine, part sold.
 \$ of the mine = \$ 1710.
 \$ 1710 + \$\$ = \$\$648, value of mine.