KEY TO THE FRANKLIN WRITTEN ARITHMETIC

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Key to the Franklin Written Arithmetic by Edwin P. Seaver & Geo A. Walton

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EDWIN P. SEAVER & GEO A. WALTON

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°KEY

TO THE

FRANKLIN

WRITTEN ARITHMETIC

BY

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BOSTON
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1881

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523

PREFACE.

THE principal part of this Key is made up of answers to the Examples for the Slate, including answers to the Exercises upon the Drill Tables, in the Franklin Arithmetic. In a few instances, as in Partial Payments, in the Average of Payments and of Accounts, the partial results are given, or the processes indicated.

The Key is designed especially to save labor for the teacher; it is to give him the means of testing the results of the pupils' work, without having to do all the work himself.

The pupil should not have the answer to his problem under his eye at the outset, lest he perform his work with reference to that; he ought rather to form the habit of working solely from the conditions given in the statement of the problem. It would be better, even then, that he should be able to test his own work by some method of proof, or by reviewing his processes. But next to this, and perhaps all that can be expected in the majority of cases, would be to let him compare his result with that given in the Key.

Great pains have been taken to have the answers correct. Yet should the book be found to be wholly free from errors, it would be a gratifying surprise to the authors. And they would earnestly request that any errors which may be discovered be reported to the publishers, and the requisite corrections will be promptly made.

Boston, August, 1878.

CONTENTS.

										PAGE
Answers to Examples.	79	ŧ	•3	•	19		(2)	\tilde{x}	÷	5
Answers to Drill Exer	CISI	s:								
SIMPLE NUMBERS .	20		ěs				•	*2	(*)	43
United States Moni	EY	£		3	ä	60)*:			63
COMMON FRACTIONS	13		39	10			19	81	×	67
DECIMAL FRACTIONS		:0		6	3.	63	96	3.	33	74
COMPOUND NUMBERS	18		•	*	9			*8	*	79
PERCENTAGE .		10			æ		*3	19		88
EXTRACTION OF ROOM			2.2	71			94		~	95

KEY.

Page &	Er. Ans.	Page 19.
Ex. Ans.	57, 0.039.	Ec. Ans.
9. 4,000.	58. 7.005.	18. 1,038 miles.
10. 4,400.	59. 25.0049.	19. \$77,277.
11. 4,040.	60. 0.00306.	20. 12.297.
12. 4,004.	61. 0.05047.	21. \$ 1814.155.
Page 6.	State Appe	22. 5.17 miles.
5.00 (Cont.) (5.00	Page 15.	23. \$ 33,70.
13. 8,422.	1. 12,880.	24. 39.023 acres.
14. 356,890.	2. 757.	25. 35.625 miles
15. 60,065.	3. 11,347.	26. \$ 160.13.
16. 1878.	4. 78,239.	27. \$ 1,123.66.
Page 7.	5. 664.	28. \$ 1,034.33.
17. 46thous, 520 units.	6. 1,135.	29. \$ 886.84.
18. 406 tho, 502 units.	7. 135.237.	30. \$ 289.87.
19. 1 million, 1 thous.	8. 4.019.	31. \$ 1,932.19.
110 units.	9. 20.429.	Page 22.
20. 85,503,007.	Page 18.	
21. 906,218,028.		 141 oranges.
22. 3,037,900,200.	2,316 bushels.	2. 321 acres.
23. 18,000,000,004.	11. 6,776 pounds.	
24, 40,700,000.	12. \$2,785.	Page 23.
25. 37,099,009,000,000.	13. 3,925 yards.	3. 571.
9,500,000	14. 3,023 pounds.	4. 102,
Page 11.	15, { 1,191 barrels.	5. 8,272.
53. 0.7.	₹ 8,25 9.	6. 654.
54. 0.07.	16. 1,604 miles.	7. \$ 357.
55. 0.007.	17. j 7,329 acres. 621,472 trees.	8. 78 years.
56. 0.25.	621.472 trees.	9. 972 years.

6	KEY.	
Page 24.	Ez. Aus.	Ez. Ans.
Ex. Ans.	42. 883.83.	25. 40,907,020.
10. 2,771 oxen.	43. \$89.	26. 150,000.
11. 473 birds.	44. 715 persons.	27. 112,000.
12. 178.5.	45. \$ 2,058.	(168,300.
13. \$11.72.	46. \$ 20,060.	28. \ 1,683,000.
14. 999.999.	47. 162 miles.	16,830,000.
220279200	48. 338 miles.	29. 21,440,000.
Page 26.	49. 712.	30. 25,628.
15. 750 bushels.	50. \$1,340.	31. 66,912.
16. \$ 297.	Page 30.	32. 18,763.
17. 2,776 acres.		33. 32,215.
18. 3,948 feet.	1. 980 pounds.	34. 2,573,284.
19. \$1,881.87.	2. 1,032 pounds.	35. 2,740,356.
20. 84 years.	3. \$2,191.	22/00/2005
21. \$6,175.	4. \$4,275.	Page 33.
22. 215,174 bushels.	5. 2,560 miles.	36. 850.
23, 1,522 miles.	6. 407 days.	37. 4,802.
24. 35,884.	7. 63,360 feet.	38. 79,576.
25. 27,333.	Page 31.	39. 368,400.
26. 78,883.	8. 5,124 %.	40. 4,378,125.
27. 110,121.	9. \$ 2,916.	41. 488,151.
28. 202,837.	10. \$ 2,856.	42. 46,215.
29. 298,122.	11, 5,156 g.	43. 1,030,945.
30. 128,623.	12. \$ 2,352.	44. 3,834,432.
31. 881,803.	13. 3.913 cents.	45. 233,473,500,000.
32. 3 times; 440,111	14, 2,403,	46. 381,840,480,000.
over.	15. 11,304.	Page 34.
33. 139,886 feet.	16. 57.817.	47 49 04 - 0 000 F
-	17, 1,890,441.	47. 43.24; 9,082.5.
Page 27.	18, 1,325,700.	48. 42.5454; 0.009. 49. 24.
34. 194.85 acres.	19, 1,692,501,	49. 24.
35. 0.315.	20, 650 cents.	Page 36.
36. 0.515.	21. \$10,000.	50. \$540 ; \$2,700.
37. 76.87.	22. 88,250.	51. \$5,100.
38. 7,551.5544.	5045745565	(41,400 stitches;
39, 906,975,	Page 32.	408 900 stituboss
40. 584.995.	23. 5,930,720.	52, 2,980,800 stitches;
41. 11.086.	24. 7,599,240.	165,001,600 "

(4.2)

KEY.

Ex.		Page 43.	Er. Ans.
53.	1,950,000 inhab.	Et. Ans.	42, { 191 148 or
54.	j 1,170,000 yards.	11. 225 ¢.	(191.783
	§ 1,170,000 yards. § 60,840,000 yards.	12. 1954 miles.	43. 133 10 or
	180,000,000 lbs.	13. \$315.	(133.175.
56.	86,400 seconds.	14. 410% thousand.	44. 3,249 15 or
57.	91,289,796 miles.	15. \$7,5444.	(3,249.059
58.	16.25 hours.	16. 40,5984.	45. { 1,107 {1} or 1,107.843
59.	36.225 acres.	17. 1,111 1 .	t 1,107.843
60.	\$ 446.50.	18. 3,071 4.	
61.	\$ 7,962.50.	19. 37,3414.	Page 47.
62.	336.8336.	20. 1,443,002\$.	NAT 0
	2000000000	21. 19,661,3142.	46. \$ 123.67.
	Page 37.	22. 123,432.	47. \$ 148.63.
63.	10,980 pounds.	23, 20,551,	48. \$ 56.849.
	3,000 feet.	24. 41,089.	49. 2,775.
65.	3,586 feet.	25. 10,917.	50. 42,303.3248.
	8 352.	26. 17.2811.	45
	\$ 783.	27. 11,759.6.	Page 49.
	479,232.	28. \$ 26.06.	51. 6 21 days.
2.70.00	\$ 518.	29. \$ 129.62.	52. 28 barrels.
	39,296 strands.		53. 40317 days.
71.	\$ 27,000.	Page 45.	54. 103 % days.
	\$ 121.	30. 151 or 151.096	55. 52523 miles.
	\$ 148.	31. 224.	56. 197 79 acres.
74.	33.	32. 10842 or 108.740	57. 133 boxes.
	Page 41.	33. 10844 or 108.838	ŏ8. 228 eggs.
	634 cords.	34. 52814 or 528.565	59. \$ 85.00.
	268 hours.	35. 345\\$\dagger{3}\text{ or 345.805}	60. { \$336,768;
	405 hours.	36. 438 or 438.952	60. 1,754 Ibs.
	983 packages.	37. 39644 or 396.395	61. 295.875 acres.
*	soo packages.	on 0003101000.000	62. \$1.12.
	Page 42.	Page 46.	63. \$ 0.03.
5.	104 weeks; 2 rem.	38. 27948 or 279.5	64. 0.142 acres.
	323 cans; 3 rem.	39. { 1,236#\$ or	65. 0.312 tons.
	16 years; 8 rem.	1,236.506	66. 8.566 miles.
	134 rows.	40. 4,158.	67. 0.385
			10.00 PM:0000000000000000000000000000000000
	542 yds.; 10 f rem.	41. { 7,753 11 or	68. 0.015