

**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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FRANKLIN WRITTEN  
ARITHMETIC**



° K E Y

TO THE

*FRANKLIN*

WRITTEN ARITHMETIC

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1881

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## P R E F A C E .

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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.

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# KEY.

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**Page 5.**

*Ex. Ans.*  
 9. 4,000.  
 10. 4,400.  
 11. 4,040.  
 12. 4,004.

**Page 6.**

13. 8,422.  
 14. 356,890.  
 15. 60,065.  
 16. 1878.

**Page 7.**

17. 46 thous. 520 units.  
 18. 406 tho. 502 units.  
 19. 1 million, 1 thous.  
     110 units.  
 20. 85,503,007.  
 21. 906,218,028.  
 22. 3,037,900,200.  
 23. 18,000,000,004.  
 24. 40,700,000.  
 25. 37,999,009,090,000.

**Page 11.**

53. 0.7.  
 54. 0.07.  
 55. 0.007.  
 56. 0.25.

**Ex. Ans.**

57. 0.039.  
 58. 7.005.  
 59. 25.0049.  
 60. 0.00306.  
 61. 0.05047.

**Page 15.**

1. 12,880.  
 2. 757.  
 3. 11,347.  
 4. 78,239.  
 5. 664.  
 6. 1,135.  
 7. 135,237.  
 8. 4.019.  
 9. 20,429.

**Page 18.**

10. 2,316 bushels.  
 11. 6,776 pounds.  
 12. \$ 2,785.  
 13. 3,925 yards.  
 14. 3,023 pounds.  
 15. { 1,191 barrels.  
     { \$ 8,259.  
 16. 1,604 miles.  
 17. { 7,329 acres.  
     { 621,472 trees.

**Page 19.**

*Ex. Ans.*  
 18. 1,038 miles.  
 19. \$ 77,277.  
 20. 12,297.  
 21. \$ 1814.155.  
 22. 5.17 miles.  
 23. \$ 33.70.  
 24. 39.023 acres.  
 25. 35.825 miles.  
 26. \$ 160.13.  
 27. \$ 1,123.66.  
 28. \$ 1,034.33.  
 29. \$ 886.84.  
 30. \$ 289.87.  
 31. \$ 1,932.19.

**Page 22.**

1. 141 oranges.  
 2. 321 acres.

**Page 23.**

3. 571.  
 4. 102.  
 5. 8,272.  
 6. 654.  
 7. \$ 357.  
 8. 78 years.  
 9. 972 years.

## Page 24.

- Ex. Ans.  
 10. 2,771 oxen.  
 11. 473 birds.  
 12. 178.5.  
 13. \$11.72.  
 14. 999.999.

## Page 26.

15. 750 bushels.  
 16. \$297.  
 17. 2,776 acres.  
 18. 3,948 feet.  
 19. \$1,881.87.  
 20. 84 years.  
 21. \$6,175.  
 22. 215,174 bushels.  
 23. 1,522 miles.  
 24. 35,884.  
 25. 27,333.  
 26. 78,863.  
 27. 110,121.  
 28. 202,837.  
 29. 296,122.  
 30. 128,623.  
 31. 881,803.  
 32. 3 times; 440,111  
 over.  
 33. 139,886 feet.

## Page 27.

34. 194.85 acres.  
 35. 0.315.  
 36. 0.515.  
 37. 76.87.  
 38. 7,551.5544.  
 39. 906.975.  
 40. 584.995.  
 41. 11.086.

- Ex. Ans.  
 42. 883.83.  
 43. \$89.  
 44. 715 persons.  
 45. \$2,058.  
 46. \$20,060.  
 47. 162 miles.  
 48. 338 miles.  
 49. 712.  
 50. \$1,340.

## Page 30.

1. 980 pounds.  
 2. 1,032 pounds.  
 3. \$2,191.  
 4. \$4,275.  
 5. 2,560 miles.  
 6. 407 days.  
 7. 63,360 feet.

## Page 31.

8. 5,124 ¢.  
 9. \$2,916.  
 10. \$2,856.  
 11. 5,156 ¢.  
 12. \$2,352.  
 13. 3,913 cents.  
 14. 2,403.  
 15. 11,304.  
 16. 57,817.  
 17. 1,890,441.  
 18. 1,325,700.  
 19. 1,692,501.  
 20. 650 cents.

21. \$10,000.  
 22. \$8,250.

## Page 32.

23. 5,930,720.  
 24. 7,599,240.

- Ex. Ans.  
 25. 40,907,020.  
 26. 150,000.  
 27. 112,000.  
 28. { 168,300.  
 { 1,683,000.  
 { 16,830,000.  
 29. 21,440,000.  
 30. 25,628.  
 31. 66,912.  
 32. 13,763.  
 33. 32,215.  
 34. 2,573,284.  
 35. 2,740,356.

## Page 33.

36. 550.  
 37. 4,802.  
 38. 79,576.  
 39. 368,400.  
 40. 4,378,125.  
 41. 488,151.  
 42. 46,215.  
 43. 1,030,945.  
 44. 3,834,432.  
 45. 233,473,500,000.  
 46. 381,840,480,000.

## Page 34.

47. 43.24; 9,082.5.  
 48. 42.5454; 0.009.  
 49. 24.

## Page 36.

50. \$540; \$2,700.  
 51. \$5,100.  
 52. { 41,400 stitches;  
 { 496,800 stitches;  
 { 2,980,800 stitches;  
 { 165,001,600 "

