

**ARITHMETICAL
PROBLEMS FOR
SUPPLEMENTARY WORK**

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Arithmetical Problems for Supplementary Work by M. W. McHenry & R. F. Davidson

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M. W. MCHENRY & R. F. DAVIDSON

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PROBLEMS FOR
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Arithmetical Problems

FOR

Supplementary Work

BY

M. W. McHENRY

AND

R. F. DAVIDSON

PRINCIPAL OF THE H. B. DURFEE-SCHOOL, DECATUR, ILL.



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Arith. Prob.

PREFACE

THIS work has been prepared after repeated assurances that it is needed. The authors submit it to teachers and pupils with the hope that they will find it suited to their needs. It is not intended to supplant any text-book on arithmetic, but to furnish a variety of supplementary work to be used with any complete arithmetic.

An abundance of drill-work is provided to secure rapidity in the simple operations. An attempt has been made to break away from mechanical processes which require no reasoning on the part of the pupil.

The character of the problems are such that original thought and investigation are necessary. These features have been kept prominent throughout the work. The whole field has been covered where additional problems are deemed necessary, especially in the applications of Percentage and Mensuration so much in demand. Many of the best text-books in use have been consulted, and we have availed ourselves of help from every source, selecting the best features from many authors.

The work has been prepared with extreme care, and many hours have been spent in examination of libraries, in interviewing men of various vocations, in taking actual measurements, and in hunting up original material for the basis of the problems.

The arrangement and choice of material, the freshness in style, the avoidance of awkward fractions, the thoroughness with which the ground is covered in all points where mistakes are likely to occur, the care to emphasize oft-neglected principles, the extent of the work, and the painstaking care with which this work has been prepared, make us feel confident that this little work will commend itself to the good judgment of all thinking teachers.

Decatur, Ill., May, 1895.

THE AUTHORS.

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Arithmetical Problems

NOTATION AND NUMERATION.

1. Copy, point and read the following numbers :

- | | | |
|--------------|--------------|----------------|
| 1. 6894 | 11. 647878 | 21. 6507258069 |
| 2. 8068 | 12. 4896720 | 22. 880060590 |
| 3. \$20475 | 13. 8980468 | 23. 7400629006 |
| 4. \$847.58 | 14. 2869084 | 24. 5007048078 |
| 5. 7597682 | 15. \$807.40 | 25. 852869457 |
| 6. 80508 | 16. 4800054 | 26. 9000080007 |
| 7. 26040 | 17. 17008 | 27. 500500500 |
| 8. 59807 | 18. 6587280 | 28. 84760021 |
| 9. 8009 | 19. 99006 | 29. 490865846 |
| 10. \$275968 | 20. 470401 | 30. 8704558608 |

2. Write the following numbers in figures :

1. Four thousand six hundred seven.
2. Ten thousand eight hundred sixty-five.
3. Ninety-seven thousand six hundred eight.
4. Seven hundred twenty-four thousand forty-two.
5. Thirty thousand seventy-five dollars.
6. Six million eight hundred forty thousand fifty.
7. Two million three hundred one thousand four hundred.
8. Eight million nine thousand two hundred sixty-three.
9. Ninety-six billion six hundred eighty-seven thousand four hundred eighty-three.
10. Ten billion ten million ten thousand ten.
11. Ninety-four million seventy thousand ten dollars.
12. Seventy-eight thousand six hundred fifty dollars.