PRACTICAL PROBLEMS IN ARITHMETIC FOR PRIMARY GRADES, PART I

ANNA J. MCGRATH

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FOR

PRIMARY GRADES

BY
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PART I.

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DETROIT, MICH.
1896.

PREFACE.

THE design of the author in the preparation of this work has been to avoid the evils that result from using the blackboard alone for number work, and to assist the teacher, whose pleasant labor in the school-room is too often made a wearisome task through the amount of board-work she finds necessary to place before her pupils.

These practical problems can be used side by side with the regular text-book in Arithmetic, and can readily be used in connection with any series of arithmetics.

It has been the special aim to give facts in geography, history, science, etc., bearing on the courses of study in the primary grades.

The information, the collecting of which has occupied several years, has been obtained from different sources—current histories, city dictionaries, educational journals, daily papers, encyclopædias, charts in the government building at the World's Fair, etc.

There may be found seeming inaccuracies in the work which may be attributed to the fact that standard works, of reference do not always agree.

Only four lessons are given for a week's work; the pro-

gressive teacher will be able to enlarge on given facts or supply others of more recent date for the remaining day. At least one day in each week should be devoted to current events.

The author's many years' experience in teaching number work along these lines has proven to her conclusively that a pupil will think when he has that before him which will awaken thought.

DETROIT, *January 6, 1896.*

PRACTICAL

PROBLEMS IN ARITHMETIC.

5 Cents — 1 Nickel.
10 Cents = 1 Dime.
10 Dimes = 1 Dollar.
5 Nickels = 1 Quarter of a Dollar.
4 Quarters — 1 Dollar.
2 Half Dollars — 1 Dollar.
10 Nickels — 1 Half Dollar.
20 Nickels = 1 Dollar.
100 Cents = 1 Dollar.

¢ $

60 Seconds — 1 Minute.
60 Minutes = 1 Hour.
24 Hours = 1 Day.
5 Days = 1 School Week.
7 Days = 1 Week.
20 Days = 1 School Month.
30 Days — 1 Month.
200 Days = 1 School Year.
4 Weeks = 1 Month.
10 Months = 1 School Year.
12 Months — 1 Year.

1. *January, 31 Days.
2. *February, 28 Days.
3. *March, 31 Days.
4. *April, 30 Days.
5. *May, 31 Days.
6. *June, 30 Days.
7. July, 31 Days.
8. August, 31 Days.
9. *September, 30 Days.
10. *October, 31 Days.
11. *November, 30 Days.
12. *December, 31 Days.

1. Sunday.
2. *Monday.
3. *Tuesday.
4. *Wednesday.
5. *Thursday.
6. *Friday.
7. Saturday.

Christmas, 25th of December.

New Year's, 1st of January.

Washington's Birthday, 22nd of February.

* School Days and School Months.

FIRST WEEK.

A Second.

MONDAY — LESSON 1.

Subtract—

1.	17	15	13	16	16	17	15	18	15	17
	−13	−5	−1	−7	−15	−5	−6	−7	−11	−10
2.	18	16	19	19	17	19	11	12	13	8
	−15	−7	−9	−4	−12	−12	−8	−4	−4	−4
3.	18	19	17	19	16	14	16	19	13	8
	−4	−7	−11	−8	−12	−12	−13	−4	−5	−5
4.	12	10	18	12	18	9	15	10	19	13
	−5	−5	−6	−2	−2	−2	−2	−2	−5	−2
5.	16	17	17	19	9	8	13	6	15	11
	−2	−2	−4	−3	−3	−6	−3	−3	−3	−3
6.	12	16	11	19	13	14	12	16	19	17
	−3	−3	−4	−3	−6	−6	−6	−6	−6	−6

TUESDAY — LESSON 2.

Subtract—

1.	14	7	18	19	18	11	15	15	14	9
	−5	−5	−9	−1	−5	−5	−14	−7	−7	−8
2.	9	14	17	19	16	13	12	12	19	17
	−5	−1	−3	−2	−1	−1	−1	−7	−9	−7

3.
$18 \div 2 = ?$
$8 \div 4 = ?$
$15 \div 5 = ?$
$16 \div 8 = ?$
$12 \div 3 = ?$
$18 \div 6 = ?$
$14 \div 7 = ?$
$11 \div 1 = ?$
$9 \div 3 = ?$
$6 \div 2 = ?$

4.
$19 \div 1 = ?$
$15 \div 3 = ?$
$12 \div 6 = ?$
$4 \div 2 = ?$
$16 \div 2 = ?$
$13 \div 1 = ?$
$18 \div 3 = ?$
$14 \div 2 = ?$
$6 \div 3 = ?$
$15 \div 1 = ?$

5.
$10 \div 2 = ?$
$8 \div 2 = ?$
$18 \div 9 = ?$
$17 \div 1 = ?$
$12 \div 2 = ?$
$16 \div 4 = ?$
$10 \div 5 = ?$
$12 \div 4 = ?$
$14 \div 1 = ?$
$16 \div 1 = ?$

"Do the best you can, and you will soon do better."

MONDAY — LESSON I.

I. If a milkman has 3 cans that hold 6 gallons of milk each, how many gallons of milk has he?

II. In 4 gallons and 3 pints there are how many quarts?

III. Nine quarts and a pint are how many pints?

IV. Two weeks and 4 days are how many days?

V. A dime and 3 3-cent pieces are how much money?

TUESDAY — LESSON II.

I. There are 8 quarts in a peck. How many quarts are there in 2 pecks and 3 quarts?

II. A peck of beans cost 16 cents. What will $\frac{1}{2}$ of a peck cost?

III. There are 3 feet in 1 yard of ribbon. How many yards are there in 19 feet?

IV. Three nickels and 4 cents are how much money?

V. Nineteen weeks are how many months?

VI. One year and 7 months are how many months?