ARITHMETIC.

1. ARITHMETIC is the science of numbers.

2. A number consists of one or more units.

3. A unit is a single thing of any kind, as 1 book.

4. An abstract number is of no denomination, as 2, 4, 9.

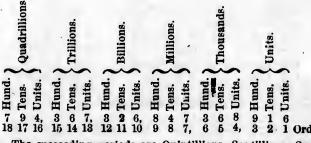5. A single number is an abstract number, or of but one denomination, as 3, 5 shillings.

6. Notation is the expression of numbers by characters.

7. Numeration is the reading of numbers thus expressed. The characters used in notation are the ten figures or digits, 1, 2, 3, 4, 5, 6, 7, 8, 9, 0.

8. These figures have different values according to their position, the right hand figure being units, the second tens, the third hundreds; each order on the left being equal to ten of the order next it on the right.

9. Three orders make one period, according to the following,

NUMERATION TABLE.

Quadrillions.			Trillions.			Billions.			Millions.			Thousands.			Units.			
Hund.	Tens.	Units.	Hund.	Tens.	Units.	Hund.	Tens.	Units.	Hund.	Tens.	Units.	Hund.	Tens.	Units.	Hund.	Tens.	Units.	
7	9	4,	3	6	7,	3	2	6,	8	4	7,	3	6	8	9	1	6	
18	17	16	15	14	13	12	11	10	9	8	7,	6	5	4,	3	2	1	Orders.

The succeeding periods are Quintillions, Sextillions, Septillions, Octillions, Nonillions, Decillions.

NOTE.—Notation and numeration should be taught in connection with the simple rules.