The operation in this example may be performed in another way, which is the one in common use.

OPERATION.

484
4
1936

ANALYSIS.—Writing the numbers as before, we begin at the right hand or unit figure, and say: 4 times 4 units are 16 units, which is 1 *ten* and 6 *units;* write the 6 units in the product in units' place, and reserve the 1 ten to add to the next product. 4 times 8 tens are 32 tens, and the 1 ten reserved in the last product added, are 33 tens, which is 3 *hundreds* and 3 *tens;* write the 3 tens in the product in tens' place, and reserve the 3 hundreds to add to the next product. 4 times 4 hundreds are 16 hundreds, and 3 hundreds added are 19 hundreds, which being written in the product in the places of hundreds and thousands, gives, for the entire product, 1936.

34. From the preceding example and illustration we have the following

RULE. I. Write the multiplier under the multiplicand, placing units of the same order under each other.

II. Beginning with the unit figure multiply each figure of the multiplicand by the multiplier, writing down and carrying as in addition.

Mental Exercises.

1. If a man can dig 28 bushels of potatoes in one day; how many can he dig in 7 days? in 9 days? in 12 days?
2. At 81 dollars apiece, what will be the cost of 4 horses? of 11 horses? of 9 horses?
3. In an orchard there are 16 cherry trees, and 9 times as many apple trees; how many apple trees are there?
4. If one boy earns 15 cents a day, another 22 cents a day, and another 30 cents a day; how much can the 3 boys earn in 5 days?
5. A man bought 9 yards of cloth for a suit of clothes, at 6 dollars a yard: he paid 5 dollars for making the coat, 2 dollars for making the pantaloons, and 1 dollar for making the vest; what did the suit cost him?

Exercises for the Slate.

SECTION I.

1. Multiply 543216573 by 2, 3, 4, 5, 6, 7
2. Multiply 345678921 by 5, 5, 7, 6, 11.