Multiplication by 2 –Digit Number

We can understand the multiplication of two digits numbers with the help of some examples.

Example 1 : Multiply 22 by 23.

Step 1: Multiply 22 by the ones of 23, it means by 3.

$$22 \times 3 = 66$$

	H	T	O
		2	2
×		2	3
		6	6

Step 2: Multiply 22 by the tens of 23, it means by 20.

$$22 \times 20 = 440$$

	H	T	O
		2	2
×		2	3
		6	6
	4	4	0

Step 3: Add both the products.

	H	T	O
		2	2
×		2	3
		6	6
+	4	4	0
	5	0	6

Hence, the product of 22 × 23 is 506.

Example 2 : Multiply 36 by 26.

Step 1: Multiply 36 by the ones of 26, it means by 6.

$$36 \times 6 = 216$$

H	T	O
	1	
	3	6
×	2	6
2	1	6

Step 2: Multiply 36 by the tens of 26, it means by 20.

$$36 \times 20 = 720$$

H	T	O
	1	
	3	6
×	2	6
2	1	6
7	2	0

Step 3: Add both the products.

H	T	O
	1	
	3	6
×	2	6
2	1	6
+ 7	2	0
9	3	6

Hence, the product of 36 × 26 is 936.