

# Written Method of Multiplication



e.g. 1: 2-digit no.  $\times$  1-digit no. e.g.  $43 \times 6$

## Step 1

Multiply the Ones by the 1-digit no.

$$\begin{array}{r} \text{H T O} \\ 43 \\ \times \quad 6 \\ \hline 18 \end{array} \quad (6 \times 3)$$

## Step 2

Multiply the Tens by the 1-digit no.

$$\begin{array}{r} \text{H T O} \\ 43 \\ \times \quad 6 \\ \hline 18 \\ 240 \end{array} \quad \begin{array}{l} (6 \times 3) \\ (6 \times 40) \end{array}$$

## Step 3

Add these products together

$$\begin{array}{r} \text{H T O} \\ 43 \\ \times \quad 6 \\ \hline 18 \\ + 240 \\ \hline 258 \end{array}$$

Answer:

$$43 \times 6 = 258$$

e.g. 2: 3-digit number  $\times$  1-digit number  $\times$

e.g. 234  $\times$  6

Step 1

Multiply the Ones

	TH	H	T	O	
			2	3	4
$\times$					6
<hr/>					
			2	4	$(6 \times 4)$

Step 2

Multiply the Tens

	TH	H	T	O	
			2	3	4
$\times$					6
<hr/>					
			2	4	$(6 \times 4)$
		1	8	0	$(6 \times 30)$

Step 3

Multiply the Hundreds

	TH	H	T	O	
			2	3	4
$\times$					6
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			2	4	$(6 \times 4)$
		1	8	0	$(6 \times 30)$
	1	2	0	0	$(6 \times 200)$

Step 4

Add up the products

	TH	H	T	O	
			2	3	4
$\times$					6
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			2	4	
		1	8	0	
$+$	1	2	0	0	
<hr/>					
	1	4	0	4	
					1

Answer:

$234 \times 6 = 1,404$