

# Multiplication



## Multiplication without carrying

### Worked Example

$271 + 28$

We write as		H	T	U	
		2	3	4	
	X			2	
		4	6	8	

### Steps

1. Start at the top of the **units** column and say '4 multiplied by 2 is 8'.
2. Write 8 in the **units** column answer box.
3. Move to the top of the **tens** column and say '3 multiplied by 2 is 6'.
4. Write 6 in the **tens** column answer box.
5. Move to the top of the **hundreds** column and say '2 multiplied by 2 is 4'.
6. Write 4 in the **hundreds** column answer box. The answer is 468.

## Multiplication with carrying

### Worked Example

$278 + 166$

We write as		H	T	U	
		2	7	8	
	X			2	
		5	5	6	
	1	1			

### Steps

1. Start at the top of the **units** column and say '8 multiplied by 2 is 16'.
2. Put the 6 **units** in the **unit** answer box and carry the 1 **ten** to the **tens** column and put it under the answer box in the **tens** column.
3. Next go to the **tens** column and say '7 multiplied by 2 is 14'. Then add the 1 **ten carried** from the **units** column. This makes 15'.
4. Put the 5 **tens** in the **tens** answer box and carry the 1 **hundred** to the **hundreds** column and put it under the answer box in the **hundreds** column.
5. Finally, go to the **hundreds** column and say '2 multiplied by 2 is 4'. Then add the 1 **hundred carried** from the **tens** column. This makes 5.
6. Put the 5 **hundreds** in the answer box in the **hundreds** column. The answer is 556.