

# How can I multiply a column in Excel by a constant?

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## RECOMMENDED CITATION

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To multiply a column in Excel by a constant, follow these steps:

1. Select the entire column you want to multiply.
2. In an empty cell, type the constant you want to multiply by.
3. Copy this cell.
4. Right-click on the selected column and choose "Paste Special."
5. In the dialogue box, select "Multiply" under the "Operation" section and click "OK."

This will multiply each cell in the column by the constant and the result will be displayed in the same column. This method can also be used to multiply multiple columns by a constant at once.

## Excel: Multiply Column by a Constant

You can use the following basic formula to multiply a column by a constant in Excel:

**=CELL\*CONSTANT**

For example, you can use the following formula to multiply the value in cell A1 by 5:

**=A1\*5**

You can then click and drag this formula down column A to multiply every value in column A by 5.

The following example shows how to use this formula in practice.

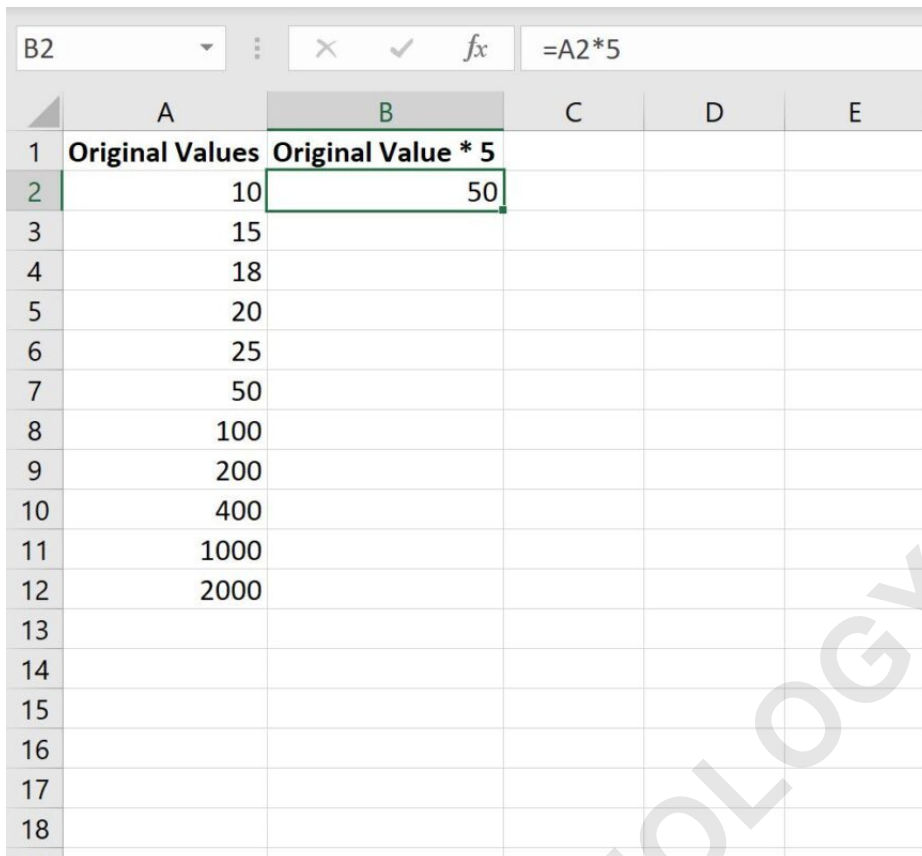
**Example: Multiply Column by a Constant in Excel**

**Suppose we have the following list of values in Excel:**

	A	B	C	D	E	F
1	<b>Original Values</b>					
2	10					
3	15					
4	18					
5	20					
6	25					
7	50					
8	100					
9	200					
10	400					
11	1000					
12	2000					
13						
14						
15						
16						
17						
18						
19						

**We can use the following formula to multiply the value in cell A2 by 5:**

**=A2\*5**

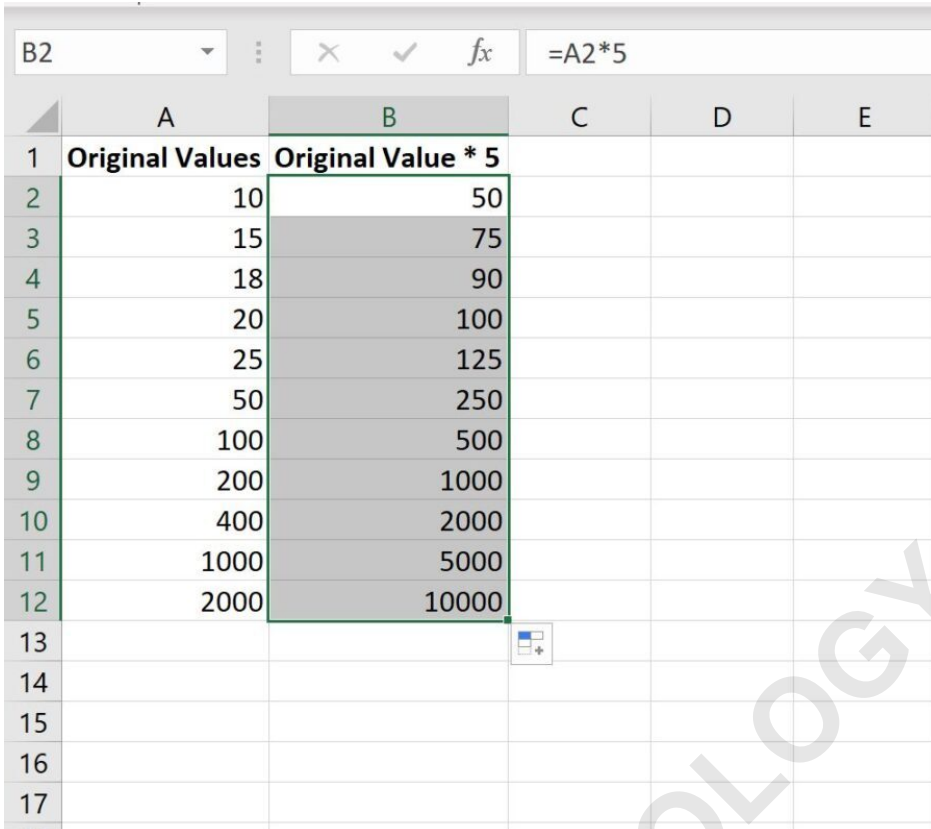


The screenshot shows an Excel spreadsheet with the following data:

	A	B	C	D	E
1	Original Values	Original Value * 5			
2	10	50			
3	15				
4	18				
5	20				
6	25				
7	50				
8	100				
9	200				
10	400				
11	1000				
12	2000				
13					
14					
15					
16					
17					
18					

The formula bar at the top shows the formula  $=A2*5$  for cell B2.

Next, we can hover over the bottom right-hand corner of cell B2 until a tiny "+" appears. Then click and drag down to all of the remaining cells in column B:



The screenshot shows an Excel spreadsheet with the following data:

	A	B	C	D	E
1	Original Values	Original Value * 5			
2	10	50			
3	15	75			
4	18	90			
5	20	100			
6	25	125			
7	50	250			
8	100	500			
9	200	1000			
10	400	2000			
11	1000	5000			
12	2000	10000			
13					
14					
15					
16					
17					

The formula bar at the top shows the formula  $=A2*5$ .

All of the values in column B are equal to 5 times the values in column A.

For example:

$$10 * 5 = 50. 15 * 5 = 75. 18 * 5 = 90. 20 * 5 = 100. 25 * 5 = 125.$$

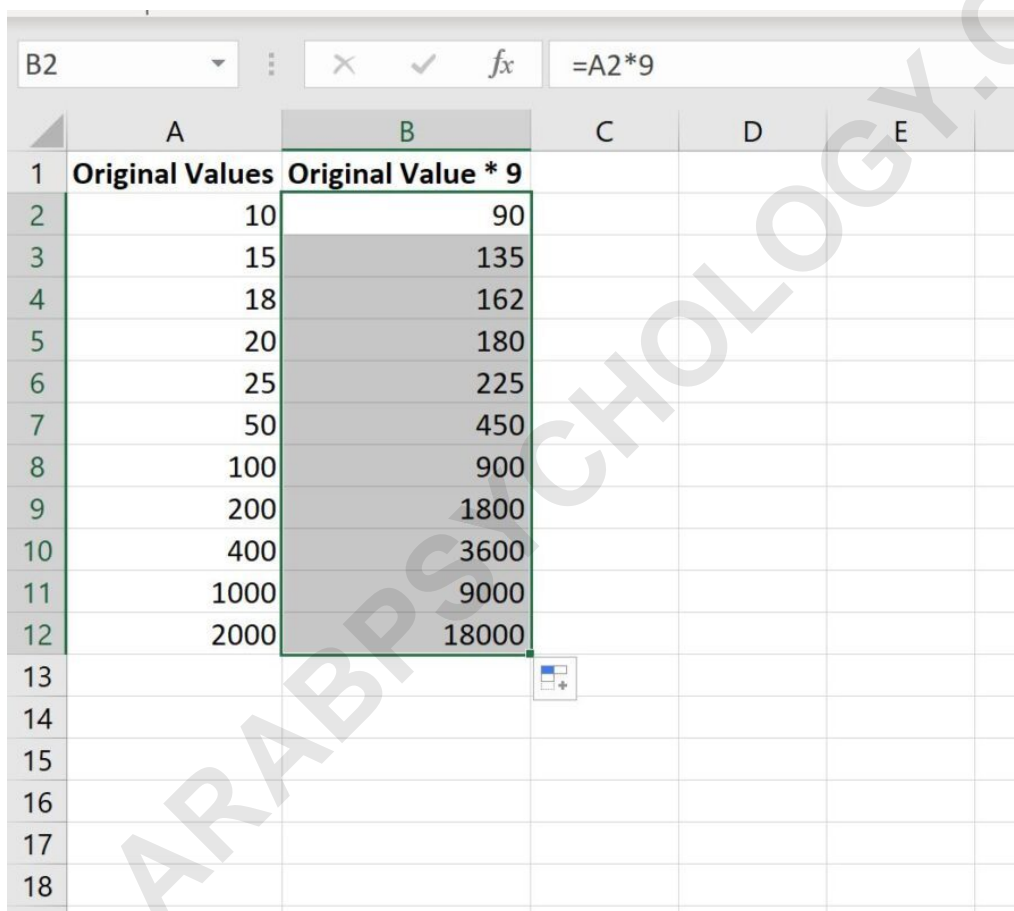
To multiply by a different constant, simply change the value used in cell B2.

For example, to multiply by 9 simply use the following

**formula:**

**=A2\*9**

**Then click and drag this formula down to all of the remaining cells in column B.**



The screenshot shows an Excel spreadsheet with the following data:

	A	B	C	D	E
1	Original Values	Original Value * 9			
2	10	90			
3	15	135			
4	18	162			
5	20	180			
6	25	225			
7	50	450			
8	100	900			
9	200	1800			
10	400	3600			
11	1000	9000			
12	2000	18000			
13					
14					
15					
16					
17					
18					

The formula bar at the top shows the formula `=A2*9` is entered in cell B2. The spreadsheet shows the result of this formula being applied to the rest of the cells in column B, resulting in values that are 9 times the values in column A.

**Each value in column B will now be equal to 9 times the values in column A:**

**For example:**

**10 \* 9 = 90.15 \* 9 = 135.18 \* 9 = 162.20 \* 9 = 180.25 \* 9 = 225.**

**And so on.**

**Additional Resources**

**The following tutorials explain how to perform other common tasks in Excel:**

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