

Can multiple formulas be used in one cell in Excel?

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No, it is not possible to use multiple formulas in one cell in Excel. Each cell can only contain one formula, which is used to calculate a single value. Attempting to enter multiple formulas in one cell will result in an error message. To use multiple formulas, they must be entered in separate cells and the results can then be referenced in the desired cell.

Excel: Use Multiple Formulas in One Cell

You can use the ampersand (&) symbol in Excel to write multiple formulas in one cell in Excel.

For example, you could type the following into one cell:

```
= "Average sales is "&AVERAGE(B2:B11)&" , "&"Sum of sales is "&SUM(B2:B11)
```

This particular example will calculate the average value in the range B2:B11 along with the sum of values in the range B2:B11 and display both outputs in one cell.

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

Example: How to Use Multiple Formulas in One Cell in Excel

Suppose we have the following dataset in Excel that shows the sales made by various employees at some company:

	A	B	C	D	E	F
1	Employee ID	Sales				
2	EMP1945	14				
3	EMP1448	19				
4	EMP0493	22				
5	EMP8854	25				
6	EMP2394	30				
7	EMP2284	34				
8	EMP1600	28				
9	EMP1756	15				
10	EMP1983	15				
11	EMP2875	12				
12						
13						
14						
15						
16						
17						
18						

Suppose we would like to calculate both the average sales value and the sum of the sales and display the output in one cell.

We can type the following formula into cell D2 to do so:

= "Average sales is "&AVERAGE(B2:B11)&" , "&"Sum of sales is "&SUM(B2:B11)

The following screenshot shows how to use this formula in practice:

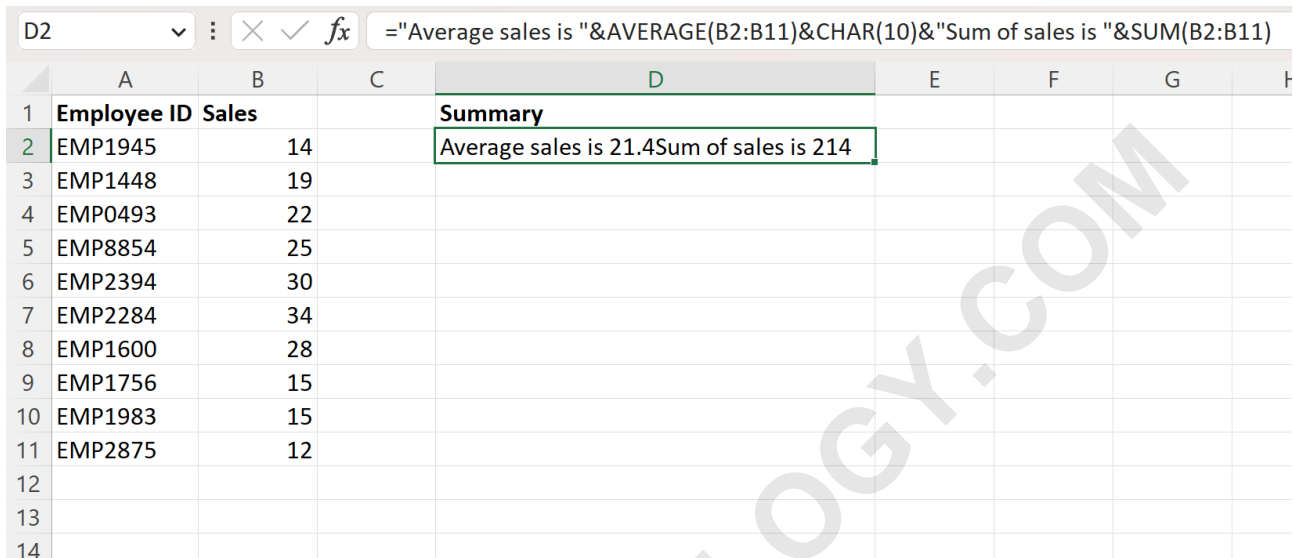
	A	B	C	D	E	F	G
1	Employee ID	Sales		Summary			
2	EMP1945	14		Average sales is 21.4, Sum of sales is 214			
3	EMP1448	19					
4	EMP0493	22					
5	EMP8854	25					
6	EMP2394	30					
7	EMP2284	34					
8	EMP1600	28					
9	EMP1756	15					
10	EMP1983	15					
11	EMP2875	12					
12							
13							
14							
15							
16							

The formula uses the **AVERAGE** function to calculate the average value in **B2:B11**, then uses the **SUM** function to calculate the sum of values in **B2:B11**, then uses the **&** symbol to combine these values with text and display all of the output in one cell.

If you would like to display the average value and sum of values on different lines, you can use the following formula instead:

```
= "Average sales is
"&AVERAGE(B2:B11)&CHAR(10)&"Sum of sales is
"&SUM(B2:B11)
```

Note: In Excel, CHAR(10) is used to represent a line break.

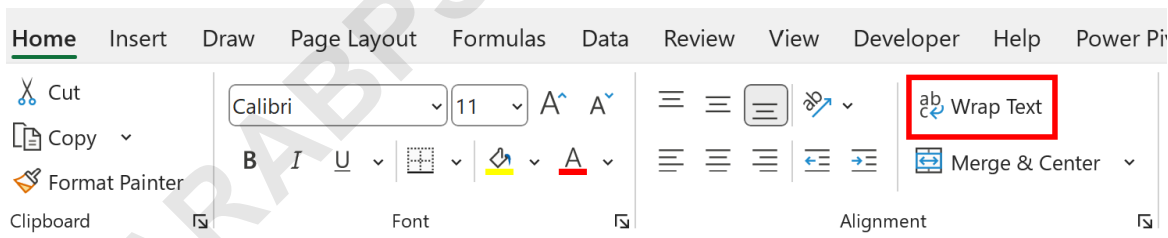


The screenshot shows an Excel spreadsheet with the following data:

	A	B	C	D	E	F	G	H
1	Employee ID	Sales		Summary				
2	EMP1945	14		Average sales is 21.4Sum of sales is 214				
3	EMP1448	19						
4	EMP0493	22						
5	EMP8854	25						
6	EMP2394	30						
7	EMP2284	34						
8	EMP1600	28						
9	EMP1756	15						
10	EMP1983	15						
11	EMP2875	12						
12								
13								
14								

The formula bar for cell D2 shows: `= "Average sales is "&AVERAGE(B2:B11)&CHAR(10)&"Sum of sales is "&SUM(B2:B11)`

With cell D2 still active, click the Wrap Text icon on the Home tab:



This will cause the text to be displayed on two lines based on where the CHAR(10) appears in the formula:

	A	B	C	D
1	Employee ID	Sales		Summary
2	EMP1945	14		Average sales is 21.4 Sum of sales is 214
3	EMP1448	19		
4	EMP0493	22		
5	EMP8854	25		
6	EMP2394	30		
7	EMP2284	34		
8	EMP1600	28		
9	EMP1756	15		
10	EMP1983	15		
11	EMP2875	12		
12				
13				
14				
15				

The average sales value and sum of sales value are now shown on different lines.

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