

How can I calculate the average if a cell contains a number in Excel?

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To calculate the average of a cell containing a number in Excel, use the AVERAGE function. This function takes a range of cells as an input and returns the average value. Simply select the cell or range of cells containing the numbers, enter the AVERAGE function in a new cell, and press enter to calculate the average. This method can be used for both single cells and multiple cells containing numbers, making it a quick and efficient way to calculate averages in Excel.

Excel: Calculate Average If Cell Contains Number

You can use the following formula to calculate the average in Excel only for the cells that contain a number in a corresponding range:

```
=SUMPRODUCT(--ISNUMBER(A2:A11), B2:B11) /  
COUNT(A2:A11)
```

This particular formula will calculate the average of the values in the range B2:B11 only for the cells that contain a number in the range A2:A11.

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

Example: Calculate Average If Cell Contains Number

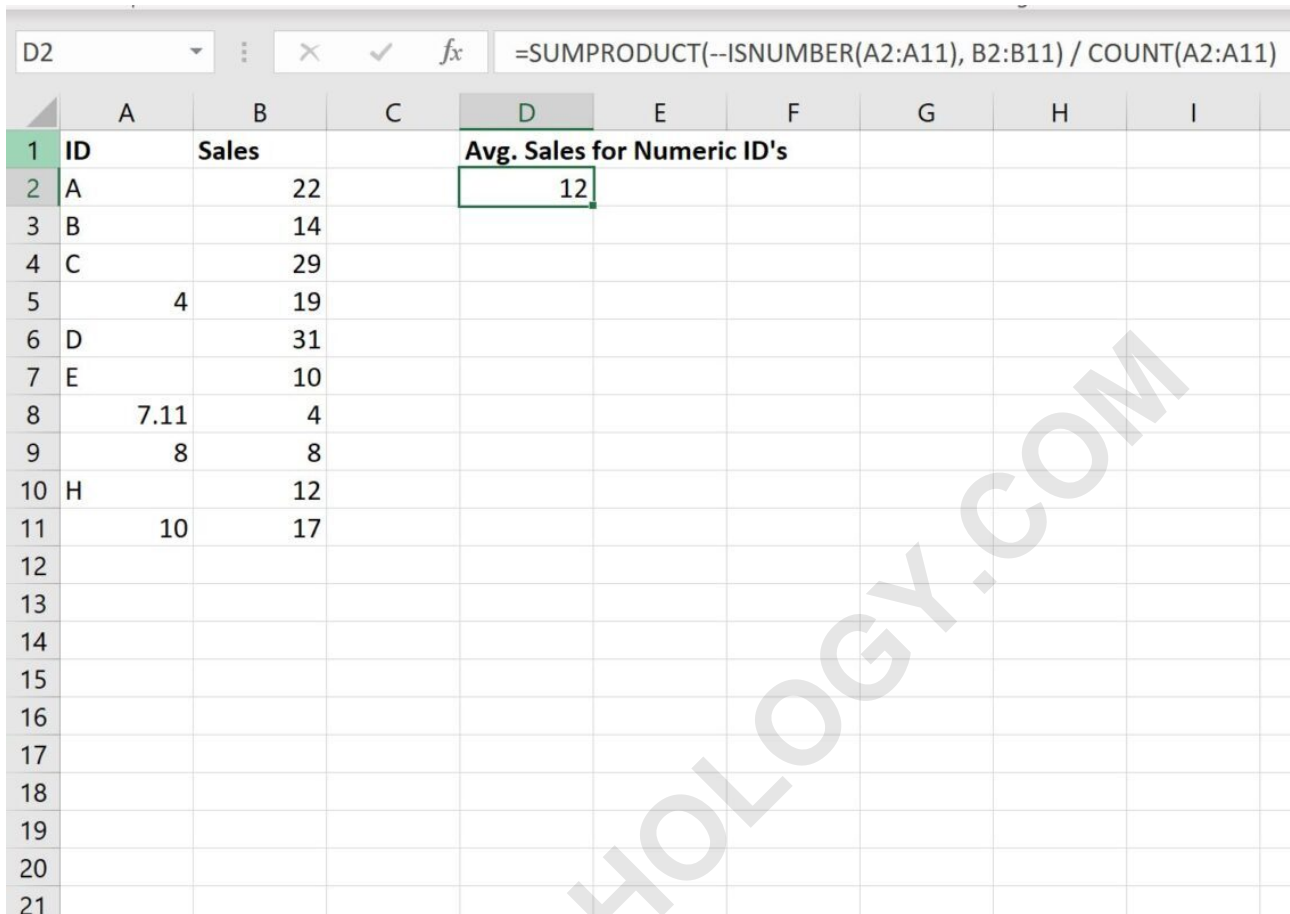
Suppose we have the following dataset in Excel that shows the number of sales made by employees at a company with certain ID's:

	A	B	C	D	E
1	ID	Sales			
2	A	22			
3	B	14			
4	C	29			
5	4	19			
6	D	31			
7	E	10			
8	7.11	4			
9	8	8			
10	H	12			
11	10	17			
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					

We can use the following formula to calculate the average sales made by only the employees who have a numeric value for ID:

=SUMPRODUCT(--ISNUMBER(A2:A11), B2:B11) / COUNT(A2:A11)

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



The image shows an Excel spreadsheet with the following data:

	A	B	C	D	E	F	G	H	I
1	ID	Sales		Avg. Sales for Numeric ID's					
2	A	22		12					
3	B	14							
4	C	29							
5	4	19							
6	D	31							
7	E	10							
8	7.11	4							
9	8	8							
10	H	12							
11	10	17							
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									

The average sales among employees with a numeric ID is 12.

We can manually verify that this is correct by identifying which employees have numeric ID's:

	A	B	C	D	E	F
1	ID	Sales		Avg. Sales for Numeric ID's		
2	A	22		12		
3	B	14				
4	C	29				
5	4	19				
6	D	31				
7	E	10				
8	7.11	4				
9	8	8				
10	H	12				
11	10	17				
12						
13						
14						
15						
16						
17						
18						

The average sales made by these employees can be calculated as:

$$\text{Average Sales} = (19 + 4 + 8 + 17) / 4 = 12.$$

This matches the value calculated using our formula.

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