

How can I use a MULTIPLY IF function in Excel?

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June 30, 2024

RECOMMENDED CITATION

stats writer (2024). *How can I use a MULTIPLY IF function in Excel?*. PSYCHOLOGICAL SCALES. Retrieved from <https://scales.arabpsychology.com/?p=160976>

A MULTIPLY IF function in Excel allows users to perform a multiplication operation based on specific criteria or conditions. This function can be utilized by using the IF function within a multiplication formula, where the IF statement evaluates a certain condition and returns a specific value if the condition is met. This can be helpful in situations where users need to multiply different values based on different criteria, providing a more efficient and accurate way to perform calculations in Excel.

Use a MULTIPLY IF Function in Excel

You can use the following basic formula to create a MULTIPLY IF function in Excel:

```
=PRODUCT(IF(A2:A11="string",B2:B11,""))
```

This formula multiplies all of the values together in B2:B11 where the corresponding cell in the range A2:A11 is equal to "string".

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

Example: MULTIPLY IF Function in Excel

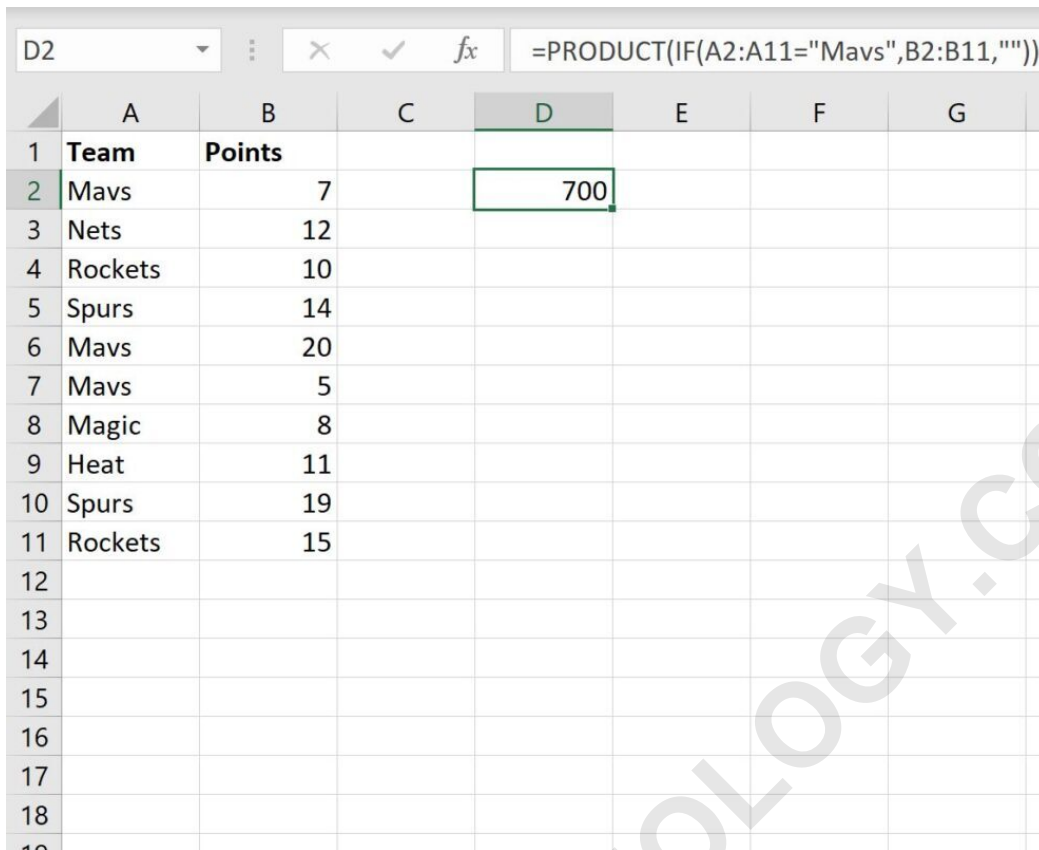
Suppose we have the following dataset that shows the total points scored by basketball players on various teams:

	A	B	C	D	E	F
1	Team	Points				
2	Mavs	7				
3	Nets	12				
4	Rockets	10				
5	Spurs	14				
6	Mavs	20				
7	Mavs	5				
8	Magic	8				
9	Heat	11				
10	Spurs	19				
11	Rockets	15				
12						
13						
14						
15						
16						
17						
18						
19						

We can use the following formula to multiply together each value in the Points column if the corresponding value in the Team column is equal to "Mavs":

=PRODUCT(IF(A2:A11="Mavs",B2:B11,""))

The following screenshot shows how to use this formula:



	A	B	C	D	E	F	G
1	Team	Points					
2	Mavs	7		700			
3	Nets	12					
4	Rockets	10					
5	Spurs	14					
6	Mavs	20					
7	Mavs	5					
8	Magic	8					
9	Heat	11					
10	Spurs	19					
11	Rockets	15					
12							
13							
14							
15							
16							
17							
18							
19							

The product of the values in the Points column for the rows where Team is equal to "Mavs" is 700.

We can verify that this is correct by manually multiplying each of the points values together for the Mavs:

Product of points: $7 * 20 * 5 = 700$

This matches the value that we calculated using the formula.

Note: You can find the complete documentation for the PRODUCT function in Excel .

Additional Resources

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