

How can I use an IF statement with the MATCH function in Excel?

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The IF statement in Excel allows users to perform a logical test and specify different actions based on the result. It can be combined with the MATCH function, which searches for a specific value in a range of cells and returns its position. This combination enables users to create more complex and dynamic formulas, where the outcome is determined by both the logical test and the lookup value. By using the IF statement with the MATCH function, users can efficiently handle different scenarios and perform calculations based on specific criteria. This functionality is particularly useful in data analysis and decision-making processes, as it allows for customized and automated responses to various situations.

Excel: Use IF Statement with MATCH Function

You can use the following syntax in Excel to use an IF statement with the MATCH function:

=IF(ISNUMBER(MATCH(E2,A2:A10,0)), "Yes", "No")

This particular formula checks if the value in cell E2 exists in the range A2:A10.

If it does exist, then the formula returns Yes.

If it does not exist, then the formula returns No.

Note: Feel free to replace "Yes" and "No" with whatever other values you'd like to return.

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

Example: How to Use IF Statement with MATCH Function in Excel

Suppose we have the following dataset in Excel that contains information about various basketball players:

	A	B	C	D	E	F
1	Team	Points	Assists			
2	Mavs	22	9			
3	Spurs	14	5			
4	Rockets	19	5			
5	Kings	35	8			
6	Warriors	20	10			
7	Nets	29	4			
8	Lakers	30	2			
9	Thunder	18	12			
10	Blazers	17	7			
11						
12						
13						
14						
15						
16						
17						

Suppose we would like to check if the team name "Lakers" exists in the team column.

We can type the following formula into cell F2 to do so:

=IF(ISNUMBER(MATCH(E2,A2:A10,0)), "Yes", "No")

The following screenshot shows how to use this

formula in practice:

F2 <i>fx</i> =IF(ISNUMBER(MATCH(E2,A2:A10,0)), "Yes", "No")							
	A	B	C	D	E	F	G
1	Team	Points	Assists		Team	Exists in Dataset?	
2	Mavs	22	9		Lakers	Yes	
3	Spurs	14	5				
4	Rockets	19	5				
5	Kings	35	8				
6	Warriors	20	10				
7	Nets	29	4				
8	Lakers	30	2				
9	Thunder	18	12				
10	Blazers	17	7				
11							
12							
13							
14							
15							
16							

The team name "Lakers" does exist in the range A2:A10 so the formula returns "Yes" in cell F2.

Note that you could also return a cell value instead of "Yes" or "No" in the IF statement.

=IF(ISNUMBER(MATCH(E2,A2:A10,0)), E2, " ")

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

F2 ✕ ✓ <i>fx</i> =IF(ISNUMBER(MATCH(E2,A2:A10,0)), E2, " ")						
	A	B	C	D	E	F
1	Team	Points	Assists		Team	Exists in Dataset?
2	Mavs	22	9		Lakers	Lakers
3	Spurs	14	5			
4	Rockets	19	5			
5	Kings	35	8			
6	Warriors	20	10			
7	Nets	29	4			
8	Lakers	30	2			
9	Thunder	18	12			
10	Blazers	17	7			
11						
12						
13						
14						
15						

The formula simply returns the name "Lakers" in cell F2 because this name existed in the team column.

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