

What is the maximum value in a given range of numbers, as calculated by the Excel MAX function?

Authored by
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RECOMMENDED CITATION

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The Excel MAX function is a mathematical tool that is used to determine the maximum value in a given range of numbers. It calculates the largest number within a set of data and returns that value. This function is useful for analyzing and organizing large amounts of data, as it quickly identifies the highest value in a specified range. By utilizing this function, users can easily find the maximum value within a set of numbers without manually searching through the data. This makes it a convenient and efficient tool for data analysis and decision making.

Excel MAX Function

MAX Function

The **MAX** function is a premade function in Excel, which finds the highest number in a range.

It is typed `=MAX`

The function ignores cells with text. It will only work for cells with numbers.

Note: There is another function called MIN, which finds the lowest value in a range, the opposite of **MAX**.

How to use the `=MAX` function:

Select a cell (G5) Type `=MAX` Double click the **MAX** command Select a range (D2:D21) Hit enter

Let's have a look at an example!

Find the Pokemon which has the highest total stats in the range D2:D21:

	A	B	D	E	F	G
1	Name	Type 1	Total stats			
2	Mankey	Fighting	305			
3	Poliwrath	Water	510			
4	Victreebel	Grass	490			
5	Tentacool	Water	335		MAX	=
6	Magneton	Electric	465			
7	Dewgong	Water	475			
8	Cloyster	Water	525			
9	Onix	Rock	385			
10	Dragonair	Dragon	420			
11	Pidgeotto	Normal	349			
12	Rattata	Normal	253			
13	Beedrill	Bug	395			
14	Doduo	Normal	310			
15	Kingler	Water	475			
16	Nidoqueen	Poison	505			
17	Hitmonchan	Fighting	455			
18	Charmeleon	Fire	405			
19	Arbok	Poison	438			
20	Gastly	Ghost	310			
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That's great! The function has successfully found the highest value, 525. Cloyster has the highest Total stats of the Pokemons in the range D2:D21.

Let's add text to a cell in the range D2:D21 to see what happens. Type Alakazam to D8.

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Nice going. The function ignores the text typed in the range. 510 is returned as the new highest value, since the old one was replaced with text. Poliwrath is now the Pokemon with the highest Total stats in the range D2:D21.

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