

# MAXA function - The function returns the largest value in a set of values ??including text and logical values ??in Excel

MAXA function: The function returns the largest value in a set of values ??including text and logical values.

Syntax: MAXA (value1, [value2], ...)

The following article introduces you to **MAXA** function - one of the functions in the statistical function group is very popular in Excel.

## Hàm MAXA

**Description:** The function returns the largest value in a set of values ??that includes both text and logical values.

**Syntax:** MAXA (value1, [value2], .)

Inside:

- **value1**, [value2], .. are the values ??that want to find the largest value, where **value1** is the required parameter, other values ??are optional and contain up to 255 **value** parameters .

**Attention:**

- The value of the argument must be a number, name, array or reference containing numbers.
- Logical or text values ??when typing directly into the argument list -> these values ??are still counted.
- If the argument is a reference array containing text values ??or logic -> these values ??are ignored, but the value 0 is still counted.
- The argument value is **True** -> **the** function defines that value as 1, and the **False** value is 0.
- If the value of the argument is not a number -> the function returns the value **0**.
- Arguments that are text or error values ??cannot be converted -> cause errors in the function.

- If you do not want to include both the logical value and the text in the function -> use the **MAX** function .

**For example:**

Calculate the maximum value of the number values ??as described in the following data table:

| Hàm MAXA trong Excel                              |         |         |
|---|---------|---------|
| <i>Nhóm hàm thống kê</i>                          |         |         |
| STT   | number  | Giá trị |
| 1   | number1 | 26      |
| 2   | number2 | 69      |
| 3   | number3 | TRUE    |
| 4   | number4 | 66      |
| 5   | number5 | FALSE   |
| Giá trị lớn nhất trong tập các giá trị number là: |         | ?       |

- In the cell to calculate enter the formula : = MAXA (D6: D10)

| Hàm MAXA trong Excel                              |         |                 |
|---|---------|-----------------|
| <i>Nhóm hàm thống kê</i>                          |         |                 |
| STT   | number  | Giá trị         |
| 1   | number1 | 26              |
| 2   | number2 | 69              |
| 3   | number3 | TRUE            |
| 4   | number4 | 66              |
| 5   | number5 | FALSE           |
| Giá trị lớn nhất trong tập các giá trị number là: |         | =MAXA( D6:D10 ) |

- Press **Enter** -> maximum value is:

D11 : X ✓ fx =MAXA(D6:D10)

| Hàm MAXA trong Excel                              |         |         |
|---|---------|---------|
| <i>Nhóm hàm thống kê</i>                          |         |         |
| STT   | number  | Giá trị |
| 1   | number1 | 26      |
| 2   | number2 | 69      |
| 3   | number3 | TRUE    |
| 4   | number4 | 66      |
| 5   | number5 | FALSE   |
| Giá trị lớn nhất trong tập các giá trị number là: |         | 69      |

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Here the logical values ??are still calculated.

- Where the logical value is the largest value in the set of values ??-> returns the value corresponding to the logical value. The example here 1 is the largest value corresponding to the value **True** -> **the** function returns the value 1.

D11 : X ✓ fx =MAXA(D6:D10)

| Hàm MAXA trong Excel                              |         |         |
|---|---------|---------|
| <i>Nhóm hàm thống kê</i>                          |         |         |
| STT   | number  | Giá trị |
| 1   | number1 | 0       |
| 2   | number2 | 0       |
| 3   | number3 | TRUE    |
| 4   | number4 | 0       |
| 5   | number5 | FALSE   |
| Giá trị lớn nhất trong tập các giá trị number là: |         | 1       |

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- The function returns the maximum value of 0 in case 0 is the largest value corresponding to the value of **False**.

D11    :    ✕    ✓    fx    =MAXA(D6:D10)

|    | A | B                                      | C                           | D              |
|----|---|--|-----------------------------|----------------|
| 3  |   |  | <b>Hàm MAXA trong Excel</b> |                |
| 4  |   |  | <i>Nhóm hàm thống kê</i>    |                |
| 5  |   | <i>STT</i>                             | <i>number</i>               | <i>Giá trị</i> |
| 6  |   | 1                                      | number1                     | -2             |
| 7  |   | 2                                      | number2                     | -1             |
| 8  |   | 3                                      | number3                     | FALSE          |
| 9  |   | 4                                      | number4                     | -26            |
| 10 |   | 5                                      | number5                     | FALSE          |
| 11 |   | Giá trị lớn nhất trong tập các giá trị |                             |                |
| 12 |   | number là:                             |                             |                |
| 13 |   |  |                             | 0              |

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Above are instructions and some specific examples when using **MAXA** function in Excel.

Good luck!

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