

GEOMEAN function - The function returns the average of a positive array or range of data in Excel

GEOMEAN function: The function returns the average of a positive array or range of data. Use the function to calculate the average growth when knowing the gross profit with variable interest rates. Syntax: GEOMEAN (number1, [number2], ...)

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

Hàm GEOMEAN

Description: The function returns the kernel average of a positive data range or range. Use the function to calculate the average growth when knowing the gross profit with variable interest rates.

Syntax: GEOMEAN (number1, [number2], .)

Inside:

- **number1, number2, .:** The value you want to calculate the standardized overall probability, where **number1** is the required parameter, other parameters are optional and contain up to 255 **number** parameters .

Attention:

- Parameter values ??can be numbers, names or arrays of references.
- If the logical values, the text is entered directly into the function -> these values ??are still counted
- If the argument is a reference or an array containing logical values, text or blank cells -> the function ignores these values.
- If any value of **number** ? 0 -> the function returns the **#NUM!** Error value
- Arguments that are text or error values ??cannot be converted into numbers -> error function
- **GEOMEAN** function calculated based on the equation:

$$[G \{M_{\bar{y}}\} = \text{sqrt} [n] \{ \{y_1\} \{y_2\} \{y_3\} \cdot \{y_n\} \}]$$

For example:

Calculate the average of the values ??in the data table below:

Hàm GEOMEAN trong Excel		
<i>Nhóm hàm thống kê</i>		
STT	Tham số	Giá trị
1	number1	9
2	number2	21
3	number3	36
4	number4	19
5	number5	98
Trung bình nhân của các giá trị number là:		?

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

Hàm GEOMEAN trong Excel		
<i>Nhóm hàm thống kê</i>		
STT	Tham số	Giá trị
1	number1	9
2	number2	21
3	number3	36
4	number4	19
5	number5	98
Trung bình nhân của các giá trị number là		=GEOMEAN(D6:D10)

- Press **Enter** -> The average of the values ??is:

D11 : X ✓ fx =GEOMEAN(D6:D10)

Hàm GEOMEAN trong Excel		
<i>Nhóm hàm thống kê</i>		
STT	Tham số	Giá trị
1	number1	9
2	number2	21
3	number3	36
4	number4	19
5	number5	98
Trung bình nhân của các giá trị number là:		26.33594

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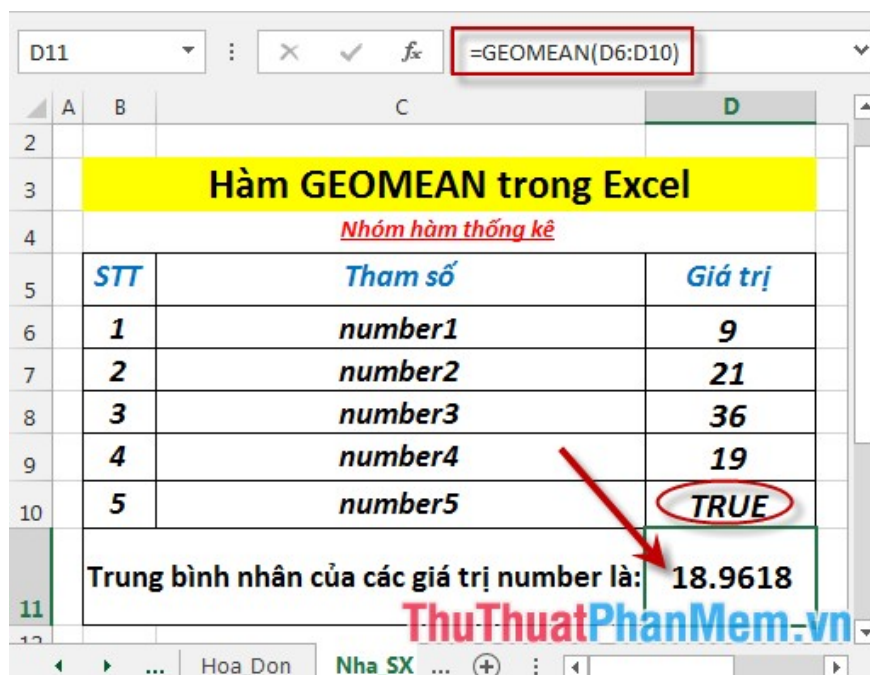
- Where the value of **number** ? 0 -> the function returns the #NUM! Error value

D11 : X ✓ fx =GEOMEAN(D6:D10)

Hàm GEOMEAN trong Excel		
<i>Nhóm hàm thống kê</i>		
STT	Tham số	Giá trị
1	number1	9
2	number2	21
3	number3	36
4	number4	19
5	number5	0
Trung bình nhân của các giá trị number là:		#NUM!

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- Where **number** is a logical value or text -> the function ignores those values.



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

Good luck!

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