

GAMMA function - The function returns the gamma function value in Excel

GAMMA: The function returns the gamma function. Support functions from Excel 2013 onwards. Syntax:
GAMMA (number)

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

Hàm GAMMA

Description: The function returns the **gamma** function value . Support functions from Excel 2013 onwards.

Syntax: GAMMA (number)

Inside:

- **number:** The value you want to calculate the **gamma** function value .

Attention:

- Function of calculation using equation:

$$[\text{Gamma left (N right)} = \int_0^{\infty} \{t^{N-1}\} \{e^{-t}\} dt]$$

- If **number** is a negative integer or equal to 0 -> the function returns the **#NUM!** Error value .

- If the **number** value is not valid -> the function returns the error value **#VALUE!**

For example:

Find the value of the **GAMMA** function of the values ??in the data table below:

	A	B	C	D
3		Hàm GAMMA trong Excel		
4		<i>Nhóm hàm thống kê</i>		
5		<i>STT</i>	<i>number</i>	<i>GAMMA(number)</i>
6		1	6	
7		2	6.25	
8		3	-2.15	?
9		4	-2	
10		5	0	
11				

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- In the cell to calculate enter the formula : = GAMMA (C6)

	A	B	C	D
3		Hàm GAMMA trong Excel		
4		<i>Nhóm hàm thống kê</i>		
5		<i>STT</i>	<i>number</i>	<i>GAMMA(number)</i>
6		1	6	=GAMMA(C6)
7		2	6.25	
8		3	-2.15	
9		4	-2	
10		5	0	
11				

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- Similarly copying the formula for the remaining values ??results:

	A	B	C	D
3		Hàm GAMMA trong Excel		
4		<i>Nhóm hàm thống kê</i>		
5		<i>STT</i>	<i>number</i>	<i>GAMMA(number)</i>
6		1	6	120
7		2	6.25	184.8609622
8		3	-2.15	-2.999619109
9		4	-2	
10		5	0	
11				

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- Where the **number** value is a negative integer or equal to 0 -> the function returns the #NUM! Error value

STT	number	GAMMA(number)
1	6	120
2	6.25	184.8609622
3	-2.15	-2.999619109
4	-2	#NUM!
5	0	#NUM!

- Where the **number** value is not a numerical value -> the function returns the error value #VALUE!

STT	number	GAMMA(number)
1	6	120
2	6.25	184.8609622
3	-2.15	-2.999619109
4	-2	#NUM!
5	abc	#VALUE!

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

Good luck!

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