

The function of dividing remainder and dividing by integer (MOD and QUOTIENT) in Excel

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Calculating data in Excel spreadsheets, you will not be able to ignore division functions. Divider functions are common and often used when division operations are needed.

There are two different division functions:

- **MOD function:** divide the remainder.
- **QUOTIENT function:** divide by integer.

The following article describes the syntax and usage of two division functions: MOD and QUOTIENT.

MOD function

Description

The MOD function is a division function that returns the remainder of the division.

Syntax

MOD (number, divisor)

Inside:

- **number:** the number you want to find the balance (the number to be divided), required.
- **divisor:** divisor , required.

Note

- Results with the sign of the divisor, regardless of the sign of the dividend.
- If the divisor is 0, then the MOD function returns the error value.

For example

Given the following data sheet:

	A	B	C	D	E
1	Hàm MOD trong Excel				
2	thuthuatphanmem.vn				
3					
4		Number	Divisor	MOD	
5		5	2		
6		-5	2		
7		5	-2		
8		-5	-2		
9					ThuThuatPhanMem.vn
10					

Requirements: Calculate the balance when taking the number in Number divided by the Divisor.

Applying the MOD function formula to the first cell: = MOD (B5, C5) we get the following:

	A	B	C	D	E
1	Hàm MOD trong Excel				
2	thuthuatphanmem.vn				
3					
4		Number	Divisor	MOD	
5		5	2	1	
6		-5	2		
7		5	-2		
8		-5	-2		
9					ThuThuatPhanMem.vn
10					
11					

You do with the next row and follow the results of the MOD function always the same sign with the divisor.

	A	B	C	D	E
1	Hàm MOD trong Excel				
2	thuthuatphanmem.vn				
3					
4		Number	Divisor	MOD	
5		5	2	1	
6		-5	2	1	
7		5	-2	-1	
8		-5	-2	-1	
9			ThuThuatPhanMem.vn		
10					

QUOTIENT function

Description

The QUOTIENT function is a division function that returns the integral of a division.

Syntax

QUOTIENT (numerator, denominator)

Inside:

- **Numerator:** is a divisible and required number.
- **denominator:** a divisor, required.

If either numerator or denominator is not a number, QUOTIENT returns the error value.

For example

Give the data table as follows:

	A	B	C	D	E
1	Hàm QUOTIENT trong Excel				
2	thuthuatphanmem.vn				
3					
4		Numerator	Denominator	QUOTIENT	
5		8	3		
6		-8	3		
7		8	-3		
8		-8	-3		
9	ThuThuatPhanMem.vn				
10					

Requirement: Use the QUOTIENT function to get the integer part when taking Numerator numbers and dividing by Denominator numbers.

Apply the QUOTIENT function formula to cell **D5**: = QUOTIENT (B5, C5) .

	A	B	C	D	E
1	Hàm QUOTIENT trong Excel				
2	thuthuatphanmem.vn				
3					
4		Numerator	Denominator	QUOTIENT	
5		8	3	2	
6		-8	3		
7		8	-3		
8		-8	-3		
9	ThuThuatPhanMem.vn				
10					

Similar to other data, you will get the following results:

	A	B	C	D	E
1	Hàm QUOTIENT trong Excel				
2	thuthuatphanmem.vn				
3					
4		Numerator	Denominator	QUOTIENT	
5		8	3	2	
6		-8	3	-2	
7		8	-3	-2	
8		-8	-3	2	
9	ThuThuatPhanMem.vn				
10					

This article has introduced to you the syntax and usage of two division functions: MOD and QUOTIENT. For each different requirements you can apply balance division or whole number division accordingly. Good luck!

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