Round a number in Excel (ROUND function)

Instructions on how to round numbers in Excel, help calculate faster Depending on how to round the number of digits after and before the comma, there are many number rounded functions in Excel. 1. Round a number using the ROUND () function - Meaning: Rounds to the nearest number

The following article shows you how to round numbers in Excel, which helps to calculate faster

Depending on how to round the number of digits after and before the comma, there are many number rounded functions in Excel.

1. Round a number using the ROUND () function

- **Meaning:** Round to the nearest number according to the number of digits to round

- **Syntax:** ROUND (number, num_digits)

Inside:

+ number is the value to be rounded.

+ num_digits is the value to be rounded. If:

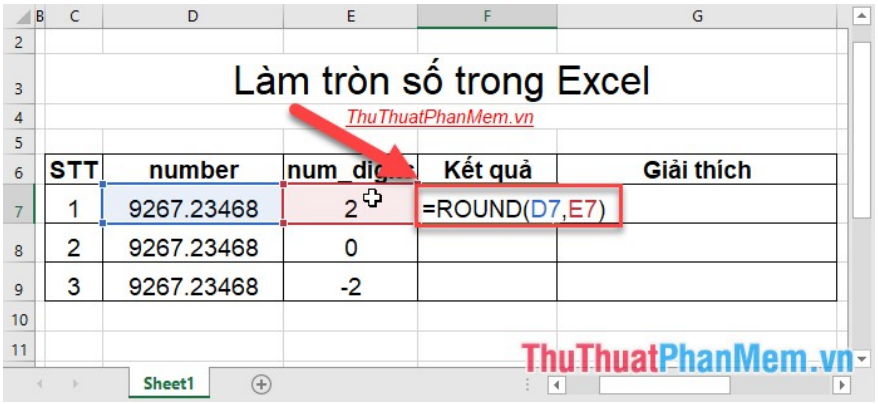
num_digits = 0 => rounds to the nearest integer

num_digits> 0 => rounds to the number of decimal places corresponding to the num_digits value

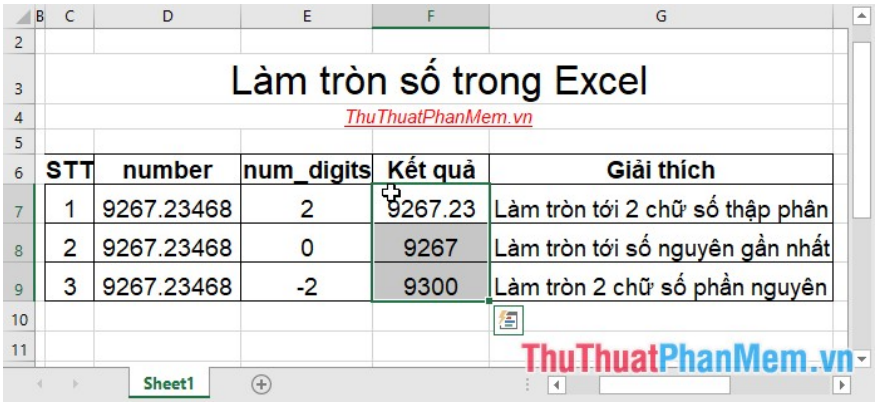
num_digits = 0 => rounds to the number of integer numbers corresponding to the num_digits value

- Example: Do the rounding of numbers in the table below using the round function

In a cell to calculate enter the formula: **= ROUND (D7, E7)**



Press **Enter** -> copy the formula for the remaining values ??to result:



2. Round a number using the MROUND () function

- **Meaning:** Round to a multiple of a specified number

- **Syntax:** MROUND (nunber, multiple)

Inside:

+ number is the value to be rounded

+ multiple: Number to determine the multiple to round to

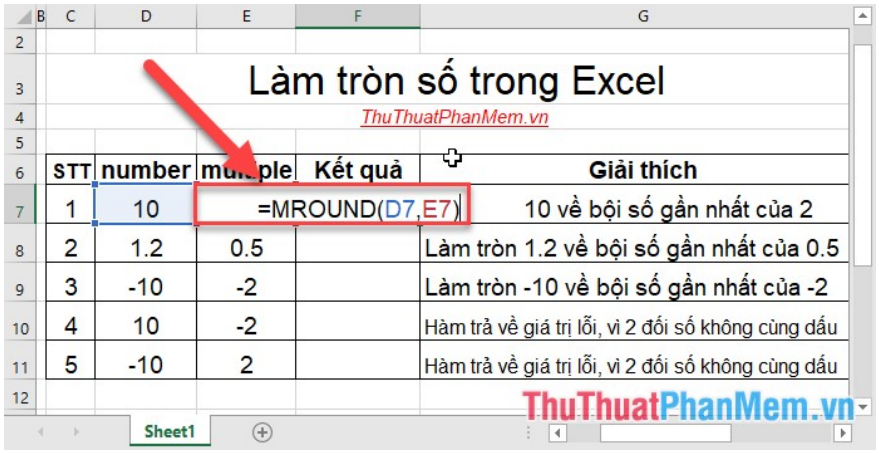
- Attention:

+ MROUND function is rounded far away from zero if the balance after dividing the number by multiple is greater than or equal to half the value of multiple

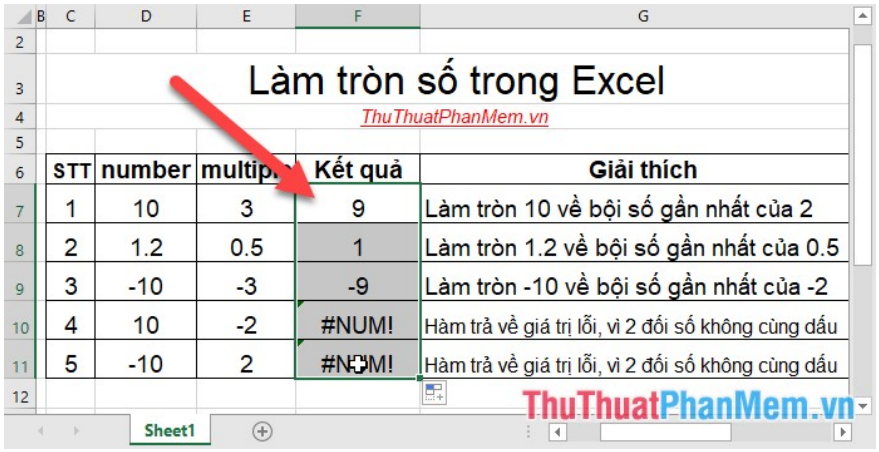
+ The argument, argument must be same if not returning #NUM error value

- Example: Round the following values ??using the **MROUND ()** function

In a cell to calculate, enter the formula: **= MROUND (D7, E7)**



Press **Enter** -> copy the formula for the remaining values ??to result:



3. Round numbers using ROUNDDOWN () and ROUNDUP ()

- **Meaning:** The use of two similar functions is different:

+ ROUNDDOWN () function always rounds a number in the direction approaching zero

+ ROUNDDOWN () function always rounds a number in the direction going far away from 0

- **Syntax:**

ROUNDDOWN (number, num_digits)

ROUNDUP (number, num_digits)

Inside:

- number is the value to be rounded

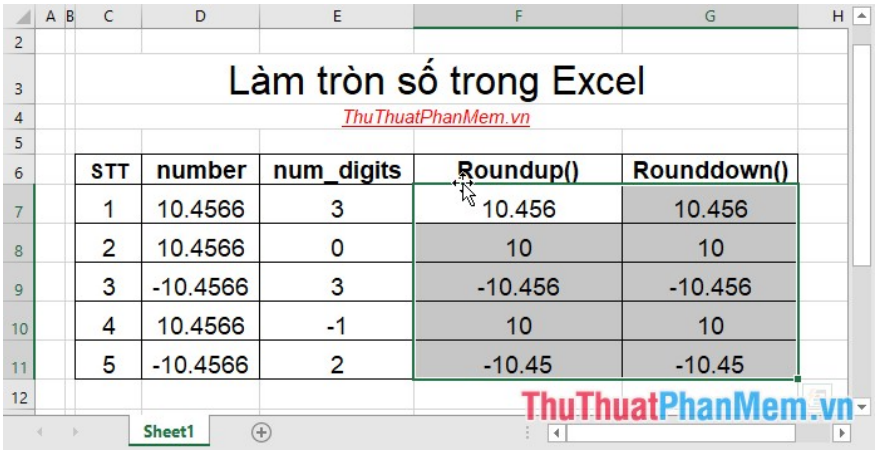
- num_digits: number of digits to round. If:

num_digits = 0 => rounds to the nearest integer

num_digits> 0 => rounds to the number of decimal places corresponding to the num_digits value

num_digits = 0 => rounds to the number of integer numbers corresponding to the num_digits value

- For example:



Làm tròn số trong Excel

ThuThuatPhanMem.vn

STT	number	num_digits	Roundup()	Rounddown()
1	10.4566	3	10.456	10.456
2	10.4566	0	10	10
3	-10.4566	3	-10.456	-10.456
4	10.4566	-1	10	10
5	-10.4566	2	-10.45	-10.45

4. Rounding numbers using CEILING () and FLOOR ()

4.1 CEILING function

Description: The function performs rounding up, away from 0 to the nearest significant multiple.

Syntax: CEILING (number, significance) .

Inside:

- **number:** The value you want to round, is a required parameter.

- **significance: The** multiple you want to round, is a required parameter.

Attention:

- If the arguments in the function are not numbers -> the function returns the **#VALUE!** Error value

- The value rounded up is adjusted away from zero despite the sign of the number is negative. If number is the correct set of significance, do not round it.

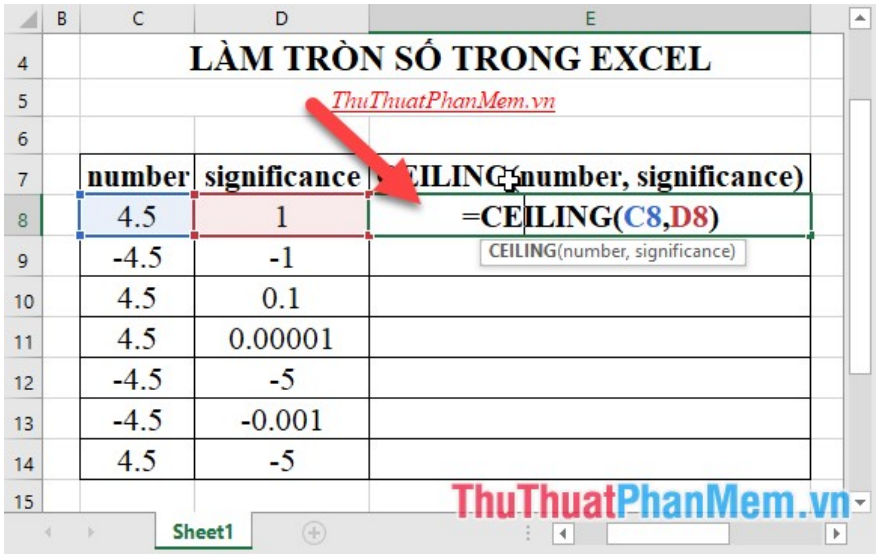
- If the number is a negative value and the negative level the value is rounded down away from zero.

- If the number is a negative value and the positive level the value is rounded up to 0.

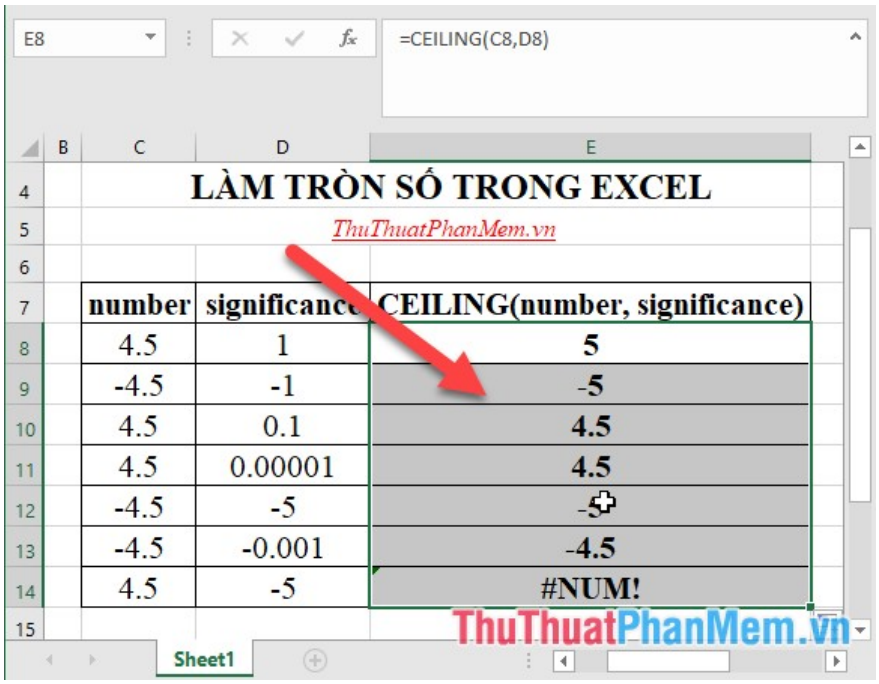
For example:

Round the values ??in the following table with multiples in the description:

In a cell to calculate enter the formula: = **CEILING (C8, D8)**



Press **Enter** and copy the formula for the remaining values ??to get the result:



4.2 FLOOR function

The Floor function is similar to the Ceiling function, except that the Floor function rounds down to zero.

5. Rounding numbers using the EVEN () and ODD () functions

- The **Even ()** function is a function that rounds numbers up to the nearest even integer

Syntax: **EVEN (number)**

Where: number is the value you want to round

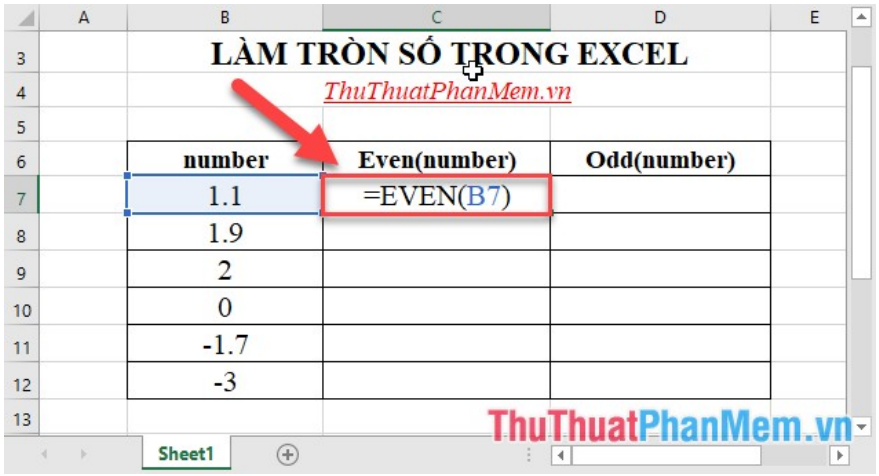
- **Odd ()** is a function that rounds numbers up to the nearest odd integer

Syntax: **ODD (number)**

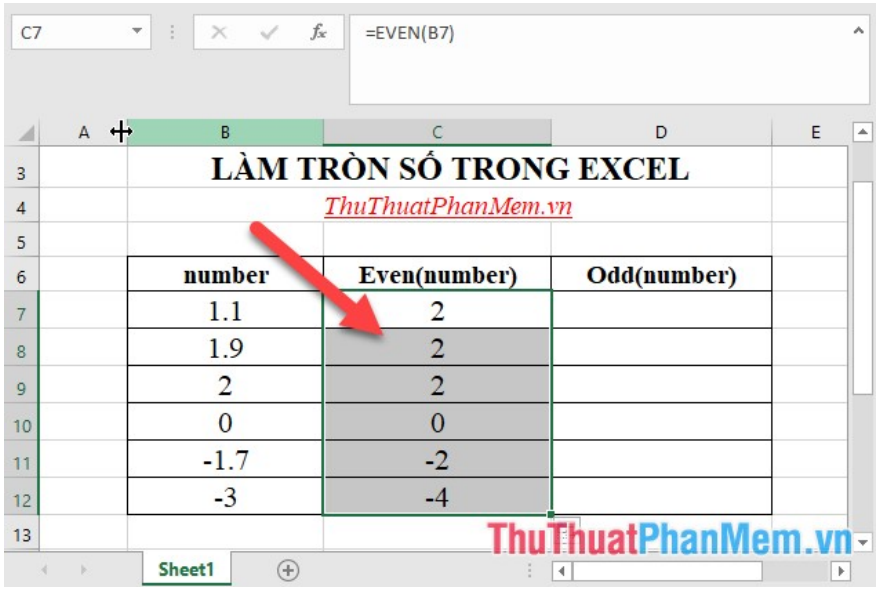
Where: number is the value you want to round

Example: Rounding the following values ??by using the even () and odd () functions

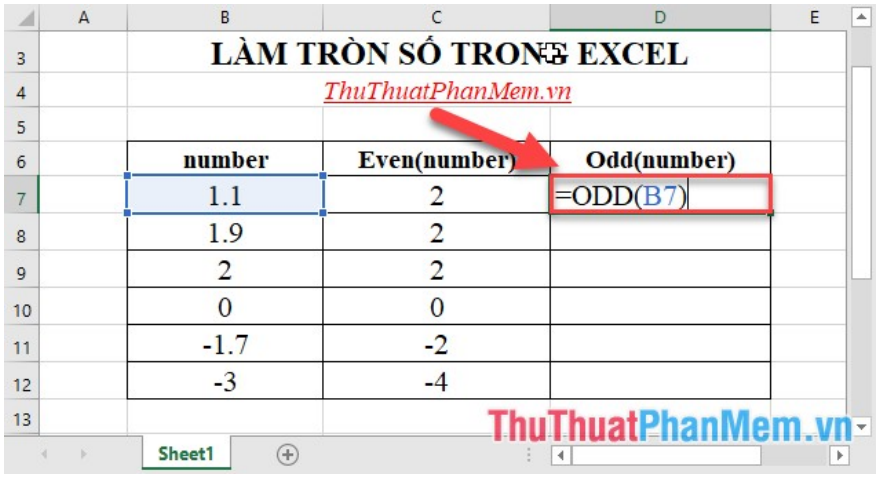
In the cell to calculate the value of doing in the Even function enter the formula: **= EVEN (B7)**



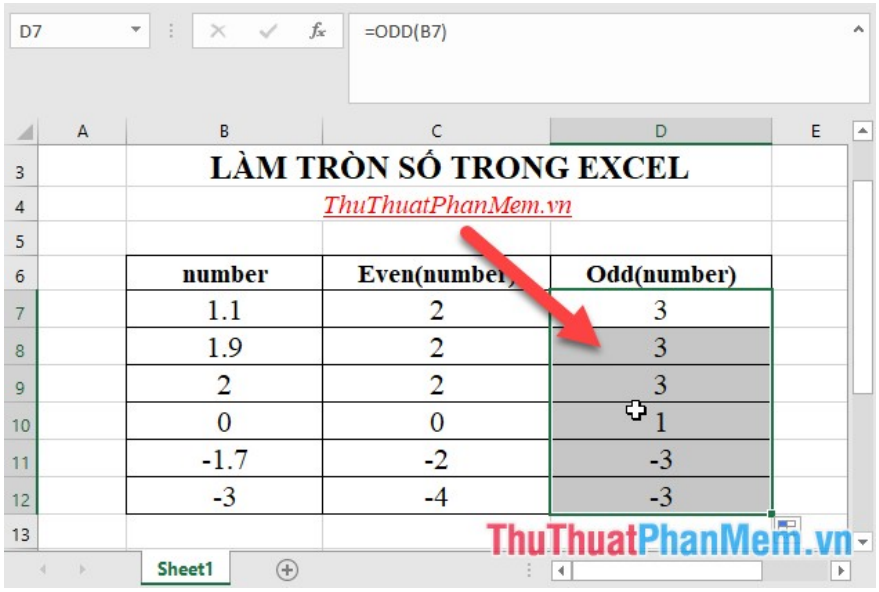
Press **Enter** -> copy the formula for the remaining values ??to result:



Similarly in the cell to calculate the rounding value according to Odd (), enter the formula: **= ODD (B7)**



Press **Enter** -> copy the formula for the remaining values ??to result:



6. Round numbers using the INT () and TRUNC () functions

- **INT** function performs rounding down to the nearest integer.

Syntax: **Int (number)**

Where: number is the value to be rounded

- The function **Trunc** performs rounding according to the number of decimal places

Syntax: **TRUNC (number, [num_digits])**

Inside:

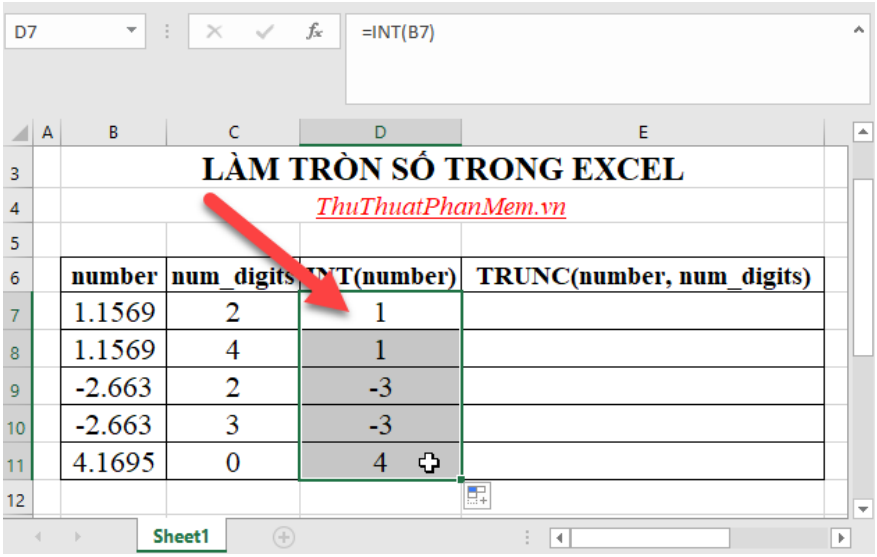
- number is the value to be rounded

- num_digits: is the number of decimal places to be rounded, is an optional parameter with a default value of 0.

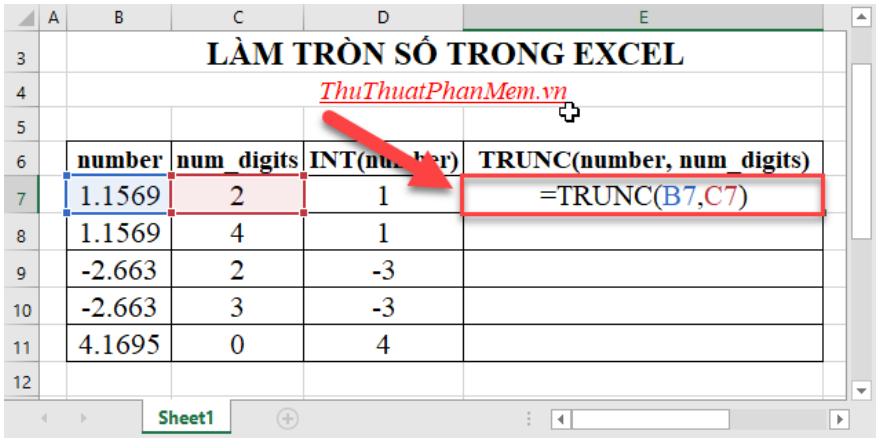
For example:

In a cell to calculate rounding value according to Int function, enter the formula: = INT (B7)

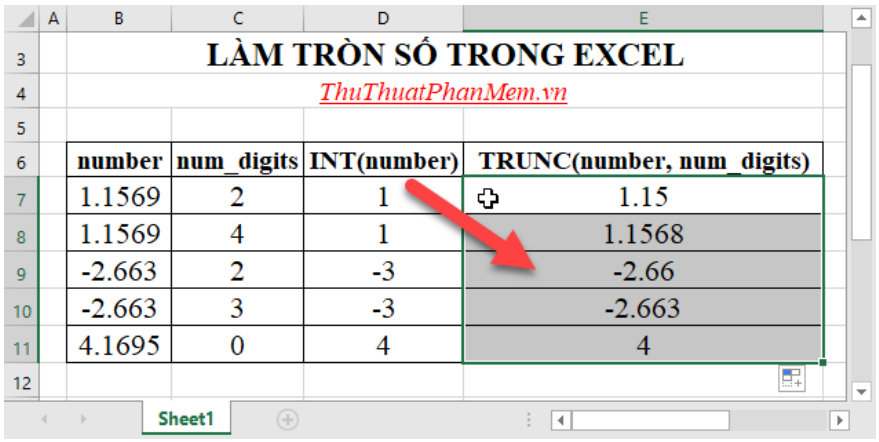
Press Enter -> copy the formula for the remaining values ??to result:



In the cell to calculate rounding value according to the Trunc function enter the formula: = **Trunc (B7)**



Press Enter -> copy the formula for the remaining values ??to result:



The above is a detailed guide on how to round numbers in Excel in various ways using Excel functions. Good luck!

You finished reading the article "**Round a number in Excel (ROUND function)**" edited by the **TipsMake** team. We hope this article has provided you with many useful tech tips and tricks. You can search for similar articles on tips and guides. Thank you for reading and for following us regularly.