

How can I select every nth row in Excel, and what is an example of this process?

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In Excel, the "nth row" refers to every nth row in a data set, where n is a number specified by the user. This process allows for the selection and manipulation of specific rows within a large data set. To select every nth row in Excel, the user can use the "Mod" function in combination with the "ROW" function. For example, if the user wants to select every 3rd row in a data set, they can use the formula "`=MOD(ROW(),3)=0`" in the first row of the data set, then drag the formula down to the rest of the rows. This will highlight every 3rd row in the data set, allowing the user to easily manipulate or analyze only those rows.

Select Every Nth Row in Excel (With Example)

You can use the following basic formula to select every nth row in Excel:

`=OFFSET(A1,(ROW()-1)*n,0)`

This formula selects every nth row.

Simply change the value for n in the formula to select specific rows.

For example, you can use the following formula to select every 3rd row:

`=OFFSET(A1,(ROW()-1)*3,0)`

The following examples show how to use this formula in practice.

Example: Select Every Nth Row in Excel

Suppose we have the following list of values in Excel:

	A	B	C	D	E	F
1	4					
2	8					
3	12					
4	14					
5	19					
6	22					
7	24					
8	28					
9	29					
10	31					
11	34					
12	35					
13	49					
14	13					
15	6					
16	7					
17	12					
18	10					
19	11					
20	6					
21						
22						

We can use the following formula to select every third row from the list:

=OFFSET(\$A\$1,(ROW()-1)*3,0)

We will type this formula into cell C1 and then copy and paste it to the remaining cells in column C:

	A	B	C	D	E	F	G
1	4		4				
2	8		14				
3	12		24				
4	14		31				
5	19		49				
6	22		7				
7	24		11				
8	28						
9	29						
10	31						
11	34						
12	35						
13	49						
14	13						
15	6						
16	7						
17	12						
18	10						
19	11						
20	6						
21							
22							

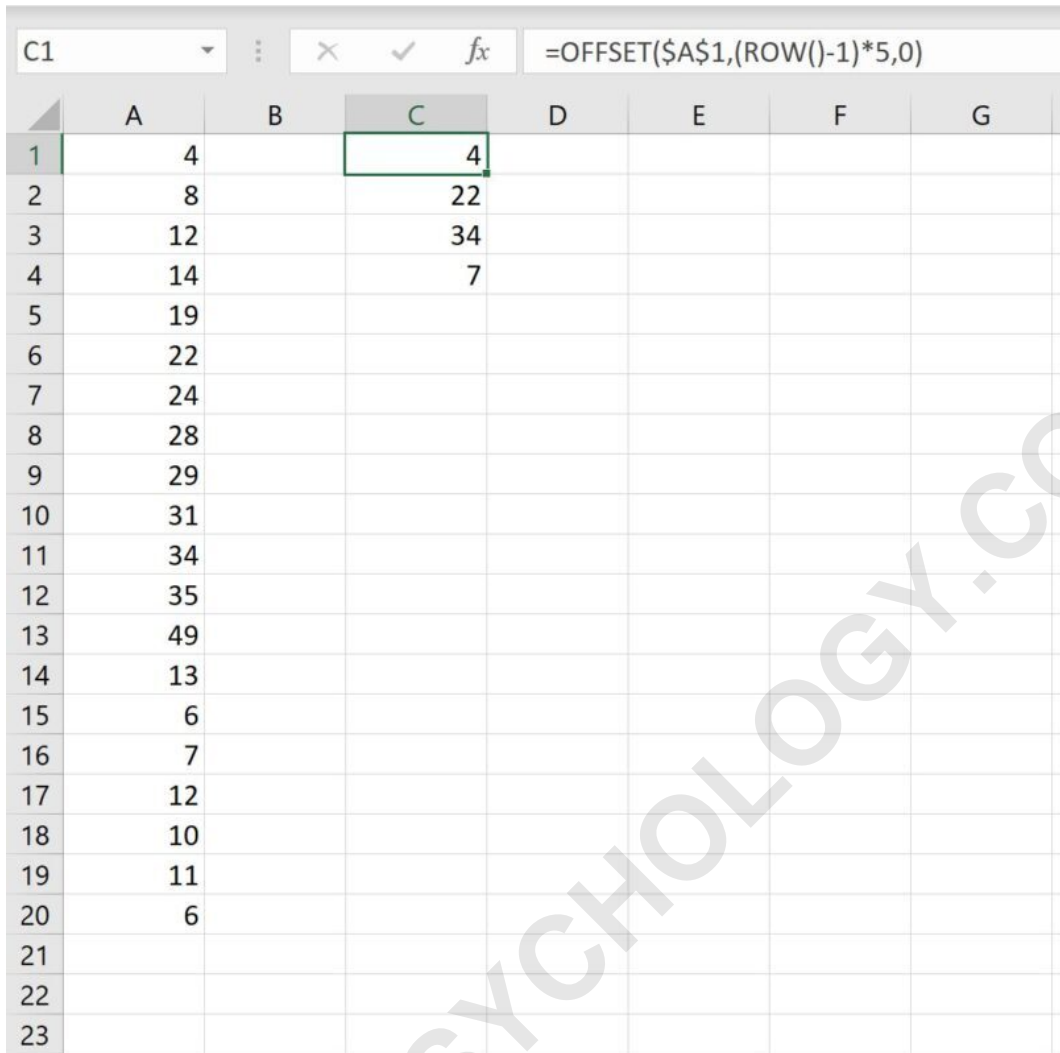
Notice that every third row has been selected from the list of original values:

	A	B	C	D	E	F	G
1	4		4				
2	8		14				
3	12		24				
4	14		31				
5	19		49				
6	22		7				
7	24		11				
8	28						
9	29						
10	31						
11	34						
12	35						
13	49						
14	13						
15	6						
16	7						
17	12						
18	10						
19	11						
20	6						
21							
22							

If we change the value of n in the formula, we can select a different nth value.

=OFFSET(\$A\$1,(ROW()-1)*5,0)

We will type this formula into cell C1 and then copy and paste it to the remaining cells in column C:



The image shows an Excel spreadsheet with a formula bar at the top displaying `=OFFSET(A1,(ROW()-1)*5,0)`. The spreadsheet has columns A through G and rows 1 through 23. Column A contains a list of numbers: 4, 8, 12, 14, 19, 22, 24, 28, 29, 31, 34, 35, 49, 13, 6, 7, 12, 10, 11, 6. Column C contains the values 4, 22, 34, 7, which are the values from column A at rows 1, 6, 11, and 16 respectively. The formula in the formula bar is used to select every fifth row from the list in column A.

	A	B	C	D	E	F	G
1	4		4				
2	8		22				
3	12		34				
4	14		7				
5	19						
6	22						
7	24						
8	28						
9	29						
10	31						
11	34						
12	35						
13	49						
14	13						
15	6						
16	7						
17	12						
18	10						
19	11						
20	6						
21							
22							
23							

Notice that every fifth row has been selected from the list of original values:

The image shows an Excel spreadsheet with the following data:

	A	B	C	D	E	F	G
1	4		4				
2	8		22				
3	12		34				
4	14		7				
5	19						
6	22						
7	24						
8	28						
9	29						
10	31						
11	34						
12	35						
13	49						
14	13						
15	6						
16	7						
17	12						
18	10						
19	11						
20	6						
21							
22							

Additional Resources

The following tutorials explain how to perform other common operations in Excel: