

How to Use SEQUENCE Function in Google Sheets?

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The SEQUENCE function in Google Sheets is a useful tool for creating sequences of numbers, dates, or text strings. It can be used to generate a range of numbers, dates, or strings, and can also be used to increment a number or date. It takes two arguments: the start and the end of the sequence, and it can be used to fill a range of cells with a certain number of items. It can also be used to create a series of dates in a given range.

You can use the **SEQUENCE** function in Google Sheets to return an array of sequential numbers.

This function uses the following basic syntax:

SEQUENCE(rows, columns, start, step)

where:

rows: The number of rows to return

columns: The number of columns to return (default is 1)

start: The number to start the sequence at (default is 1)

step: The amount to increase or decrease each number in the sequence (default is 1)

The following examples show to use this function in different scenarios in Google Sheets.

Example 1: Create Sequence of Values in One Column

We can use the following formula to create a sequence of values in one column:

SEQUENCE(10)

The following screenshot shows how to use this formula in practice:

A1			=SEQUENCE(10)			
	A	B	C	D		
1	1					
2	2					
3	3					
4	4					
5	5					
6	6					
7	7					
8	8					
9	9					
10	10					
11						
12						
13						
14						
15						
16						
17						
18						

The result is a single column that contains the sequential values 1 through 10.

Example 2: Create Sequence of Values in One Row

We can use the following formula to create a sequence of values in one row:

SEQUENCE(1, 5)

The following screenshot shows how to use this formula in practice:

A1	fx	=SEQUENCE(1, 5)				
	A	B	C	D	E	
1	1	2	3	4	5	
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						

Example 3: Create Matrix of Sequential Values

We can use the following formula to create a matrix of values with **10** rows, **3** columns, starts at **0**, and increases each value by **5**:

SEQUENCE(10, 3, 0, 5)

The following screenshot shows how to use this formula in practice:

A1	∇	<i>fx</i>	=SEQUENCE(10, 3, 0, 5)		
	A	B	C	D	
1	0	5	10		
2	15	20	25		
3	30	35	40		
4	45	50	55		
5	60	65	70		
6	75	80	85		
7	90	95	100		
8	105	110	115		
9	120	125	130		
10	135	140	145		
11					
12					
13					
14					
15					
16					
17					

The result is a matrix with 10 rows, 3 columns, starts at 0, and increases each value by 5.

Note: You can find the complete documentation for the **SEQUENCE** function in Google Sheets .

The following tutorials explain how to use other common functions in Google Sheets: