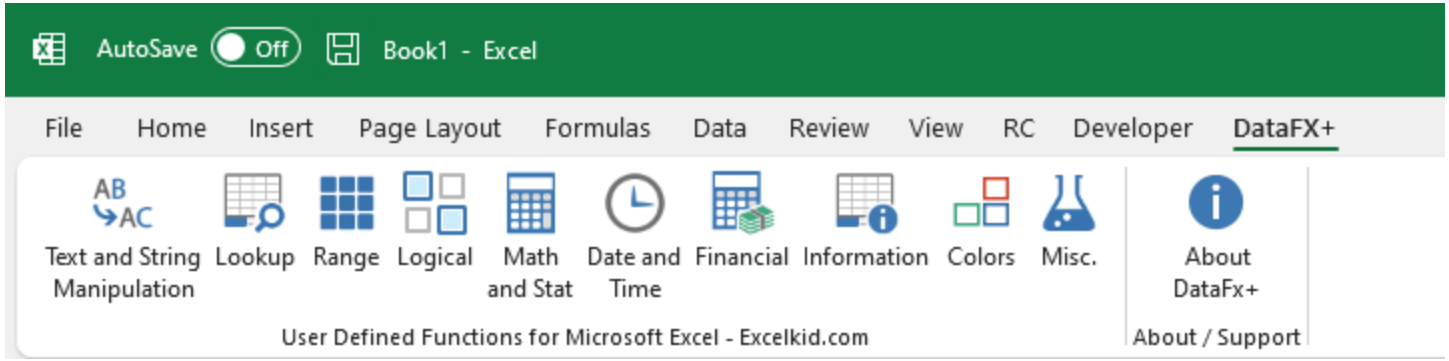
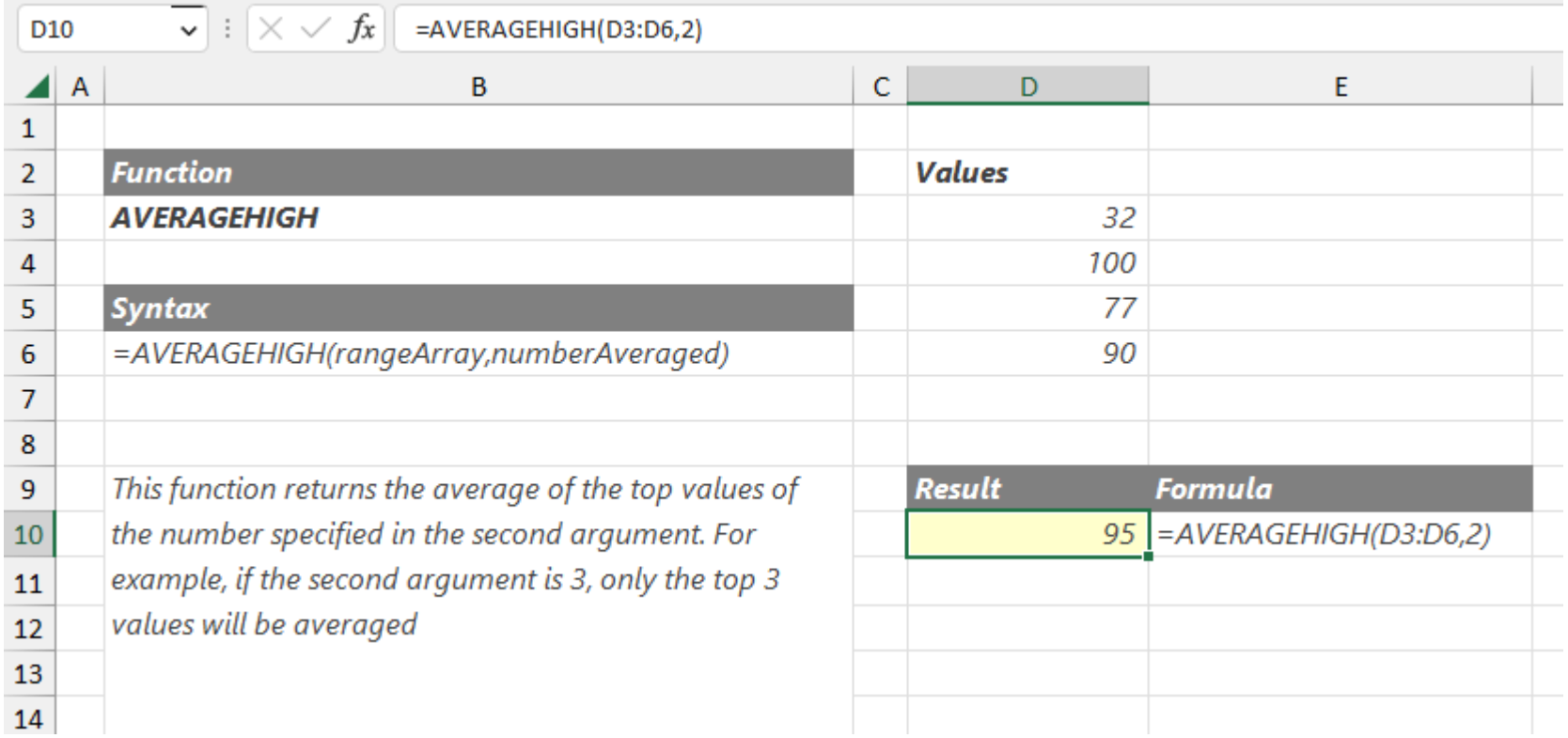
DataFX for Excel

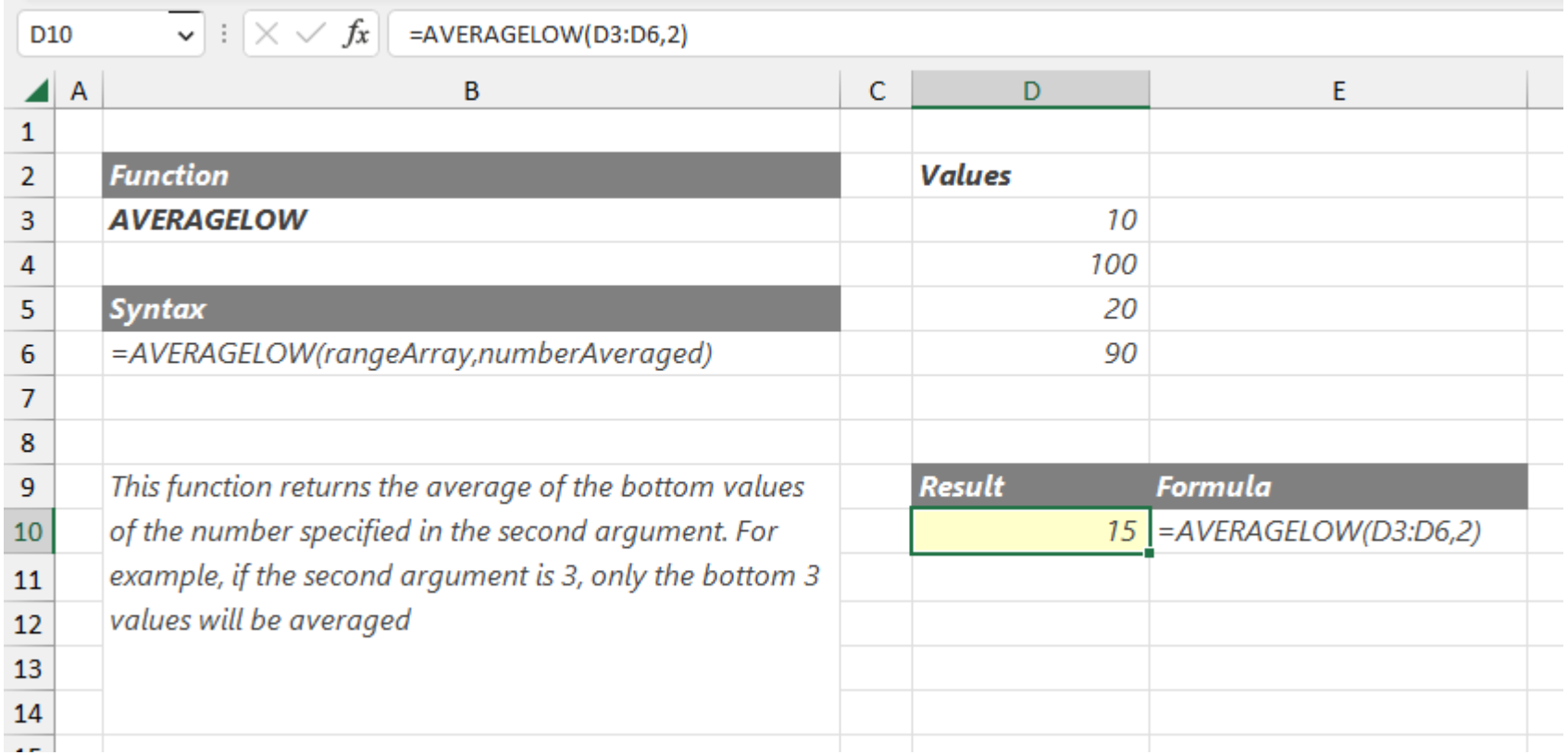
Math and Stat functions



AVERAGEHIGH



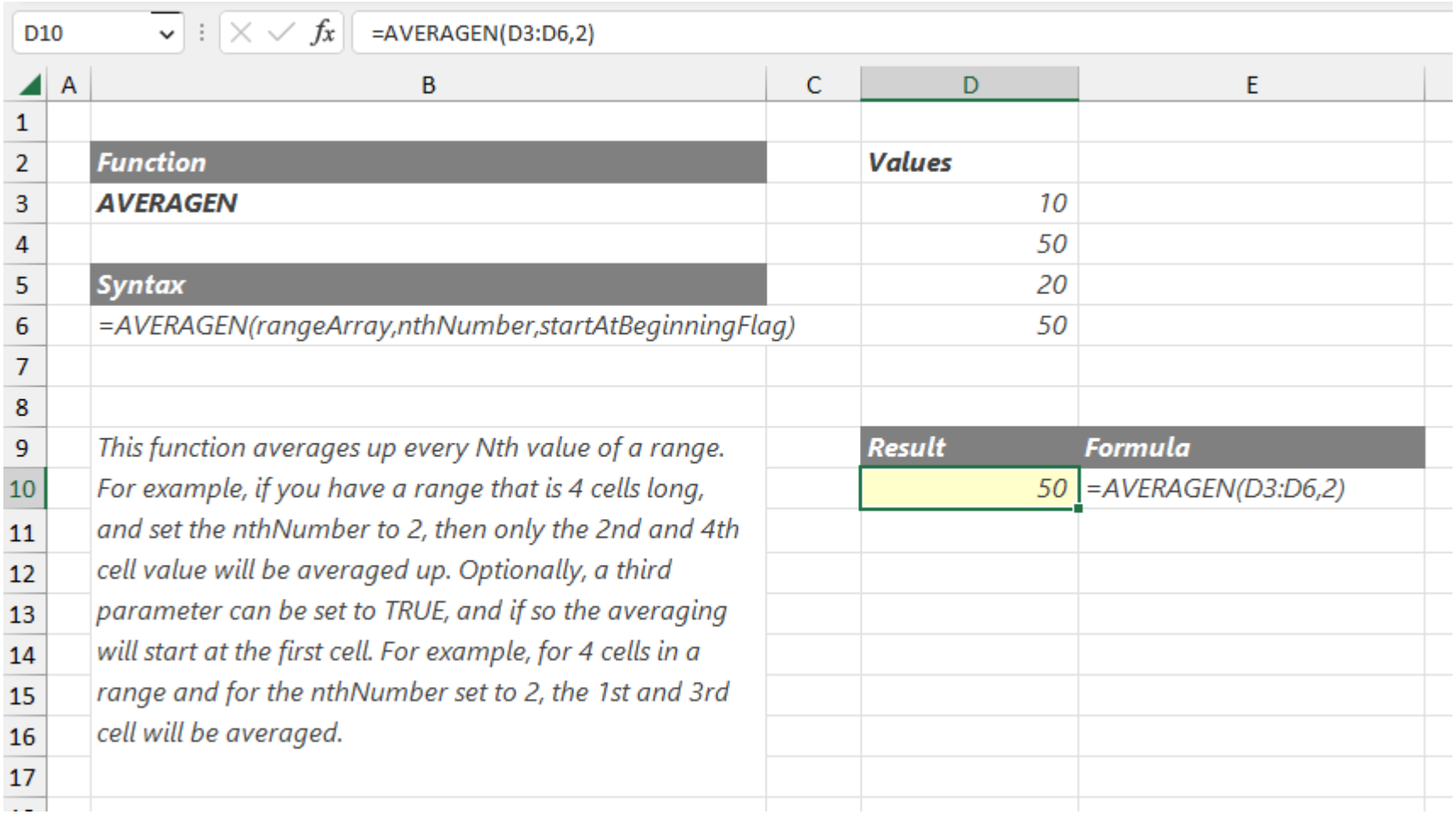
AVERAGELOW



D10 =AVERAGELOW(D3:D6,2)

	A	B	C	D	E
1					
2		***Function***		***Values***	
3		***AVERAGELOW***		*10*	
4				*100*	
5		***Syntax***		*20*	
6		*=AVERAGELOW(rangeArray,numberAveraged)*		*90*	
7					
8					
9		*This function returns the average of the bottom values*		***Result***	***Formula***
10		*of the number specified in the second argument. For*		*15*	*=AVERAGELOW(D3:D6,2)*
11		*example, if the second argument is 3, only the bottom 3*			
12		*values will be averaged*			
13					
14					

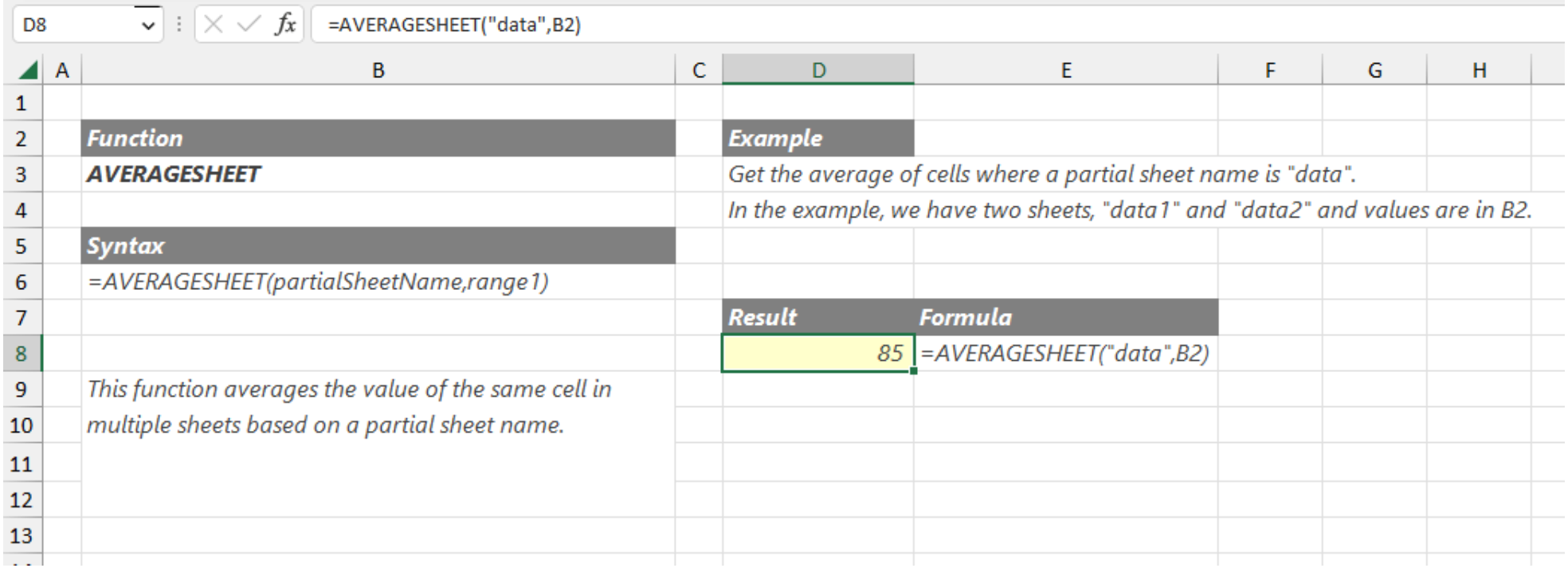
AVERAGEN



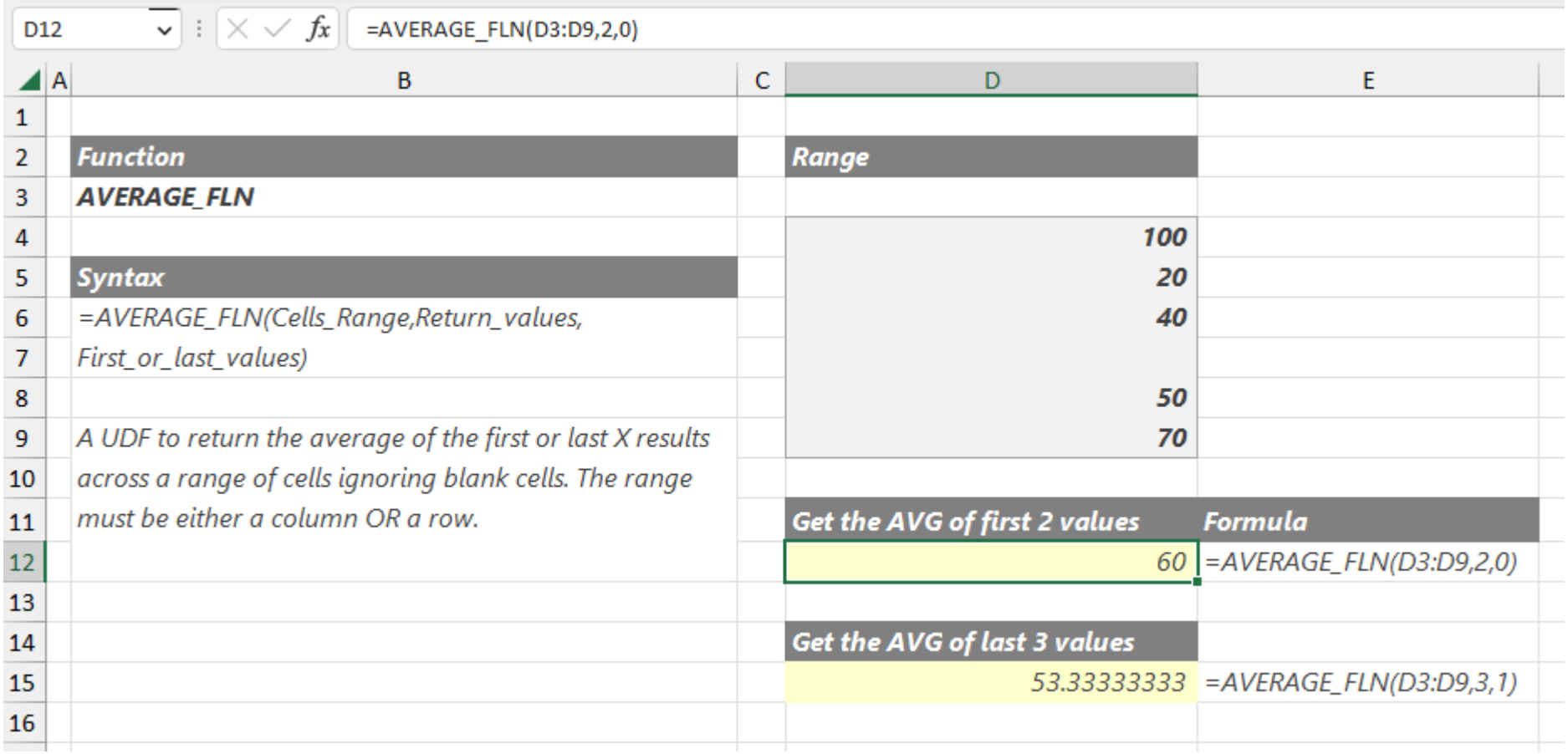
D10 =AVERAGEN(D3:D6,2)

	A	B	C	D	E
1					
2		***Function***		***Values***	
3		***AVERAGEN***		*10*	
4				*50*	
5		***Syntax***		*20*	
6		*=AVERAGEN(rangeArray,nthNumber,startAtBeginningFlag)*		*50*	
7					
8					
9		*This function averages up every Nth value of a range.*		***Result***	***Formula***
10		*For example, if you have a range that is 4 cells long,*		*50*	*=AVERAGEN(D3:D6,2)*
11		*and set the nthNumber to 2, then only the 2nd and 4th*			
12		*cell value will be averaged up. Optionally, a third*			
13		*parameter can be set to TRUE, and if so the averaging*			
14		*will start at the first cell. For example, for 4 cells in a*			
15		*range and for the nthNumber set to 2, the 1st and 3rd*			
16		*cell will be averaged.*			
17					

AVERAGESHEET



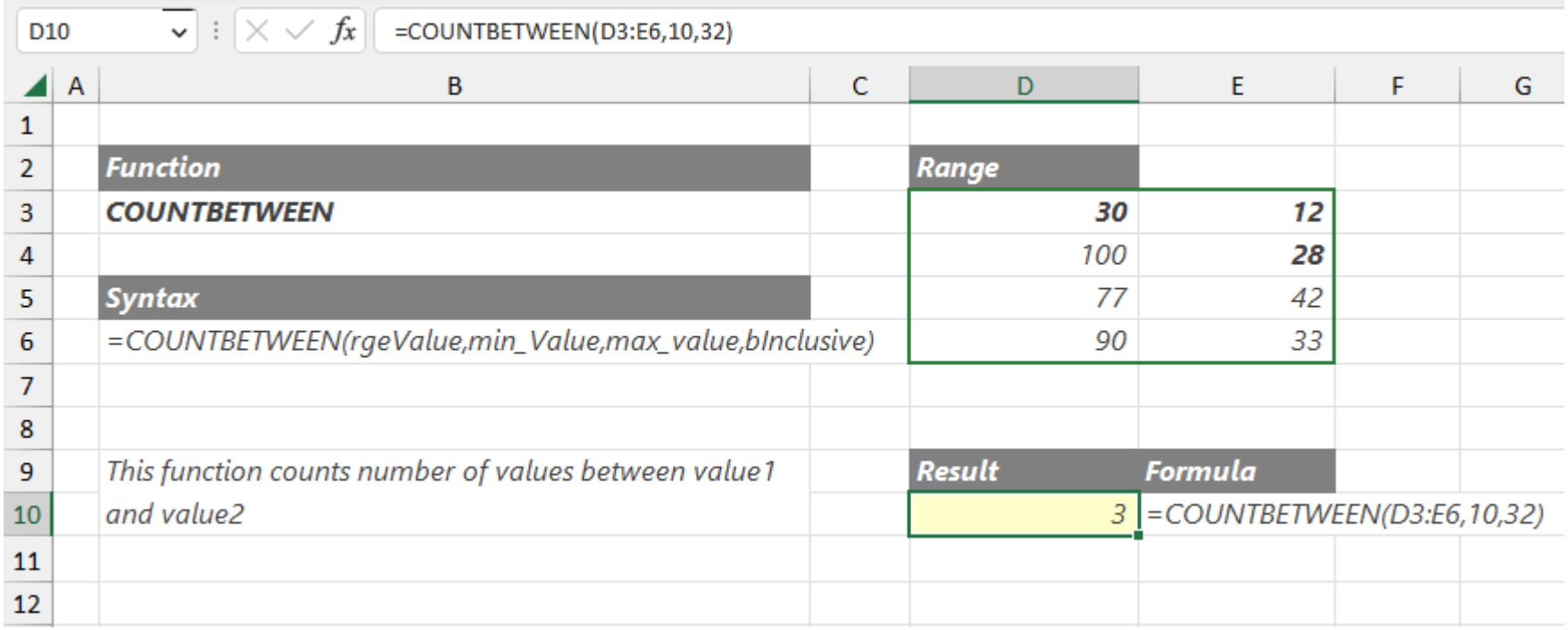
AVERAGE_FLN



D12 | =AVERAGE_FLN(D3:D9,2,0)

	A	B	C	D	E
1					
2		***Function***		***Range***	
3		***AVERAGE_FLN***			
4				***100***	
5		***Syntax***		***20***	
6		*=AVERAGE_FLN(Cells_Range,Return_values,*		***40***	
7		*First_or_last_values)*			
8				***50***	
9		*A UDF to return the average of the first or last X results*		***70***	
10		*across a range of cells ignoring blank cells. The range*			
11		*must be either a column OR a row.*		***Get the AVG of first 2 values***	***Formula***
12				*60*	*=AVERAGE_FLN(D3:D9,2,0)*
13					
14				***Get the AVG of last 3 values***	
15				*53.33333333*	*=AVERAGE_FLN(D3:D9,3,1)*
16					

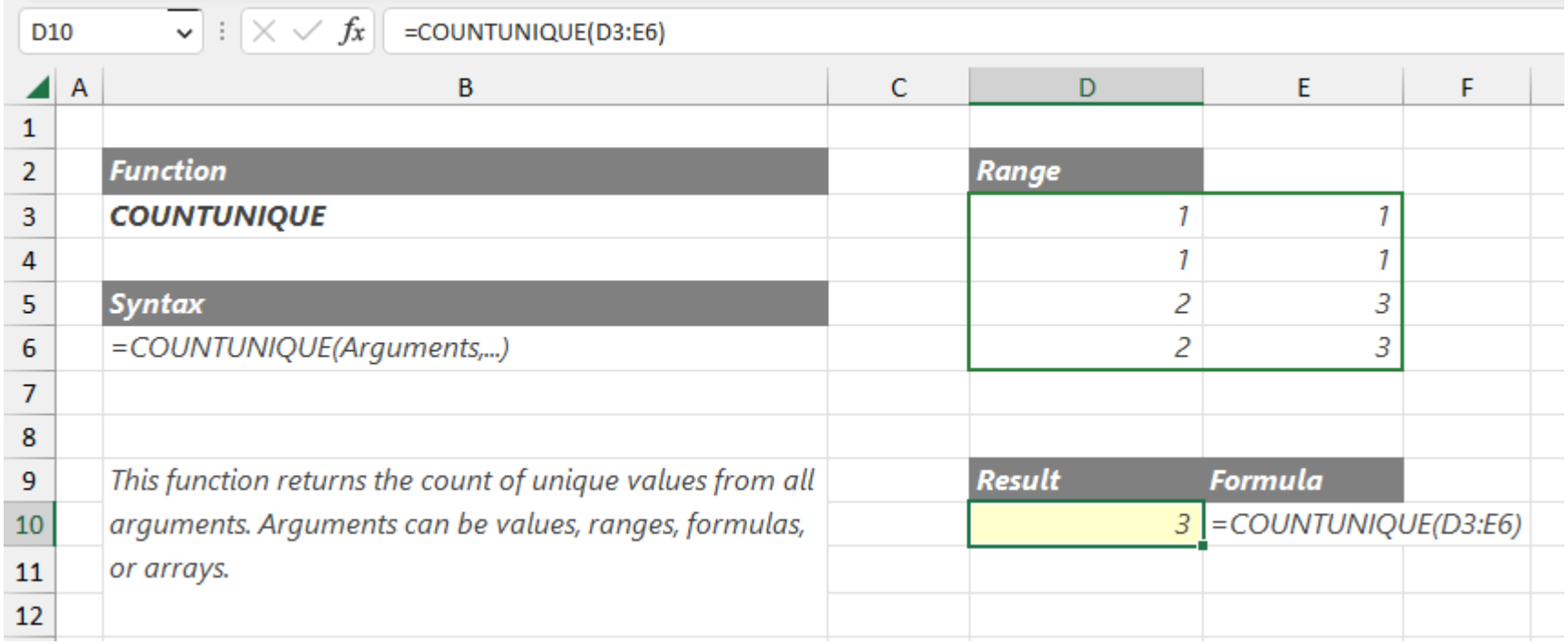
COUNTBETWEEN



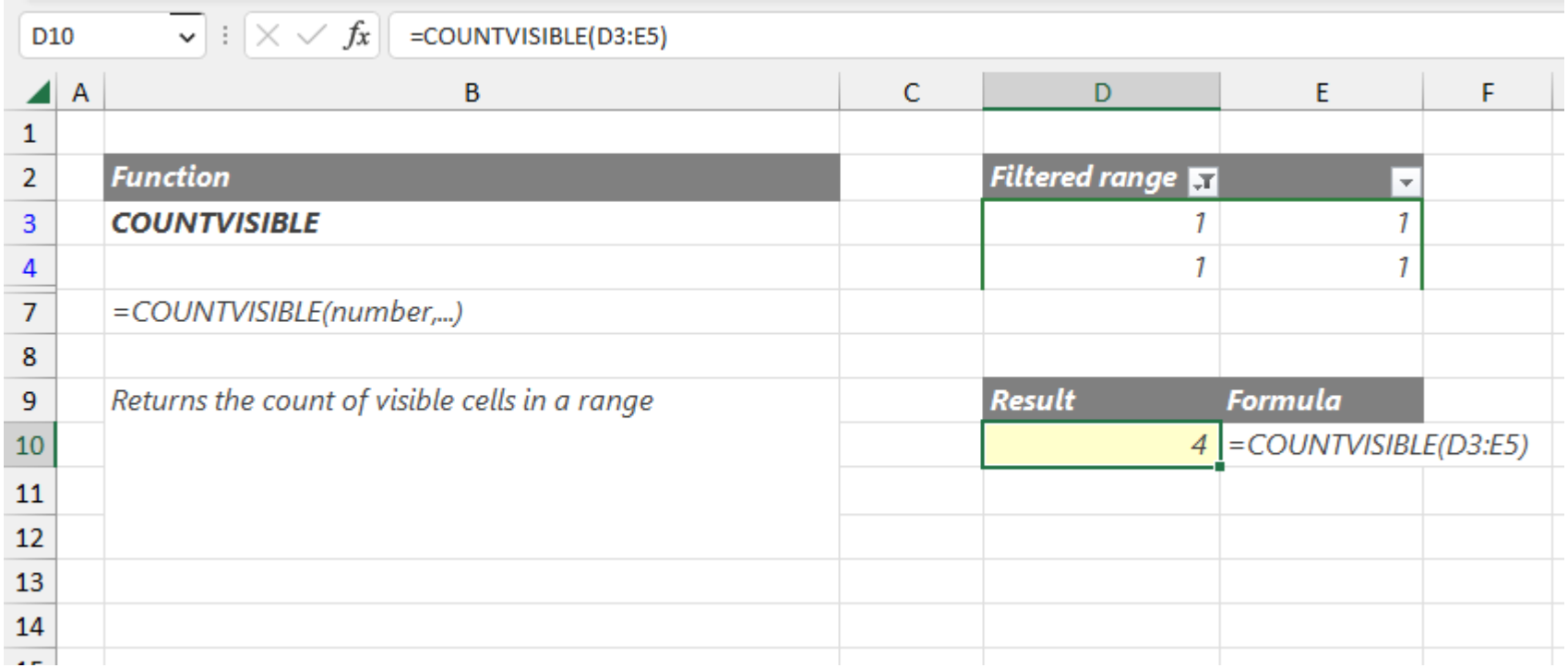
D10 | =COUNTBETWEEN(D3:E6,10,32)

	A	B	C	D	E	F	G
1							
2		***Function***		***Range***			
3		***COUNTBETWEEN***		***30***	***12***		
4				*100*	***28***		
5		***Syntax***		*77*	*42*		
6		*=COUNTBETWEEN(rgeValue,min_Value,max_value,bInclusive)*		*90*	*33*		
7							
8							
9		*This function counts number of values between value1*		***Result***	***Formula***		
10		*and value2*		*3*	*=COUNTBETWEEN(D3:E6,10,32)*		
11							
12							

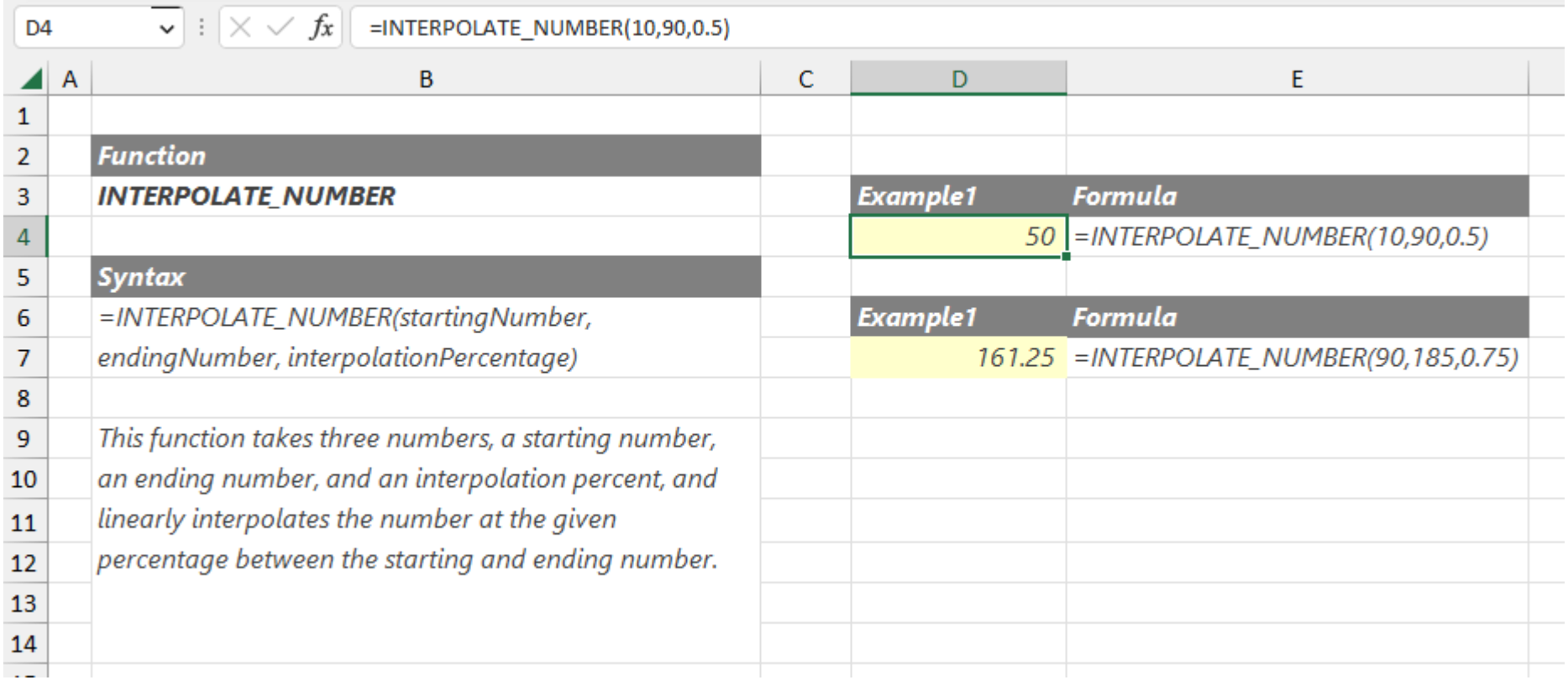
COUNTUNIQUE



COUNTVISIBLE

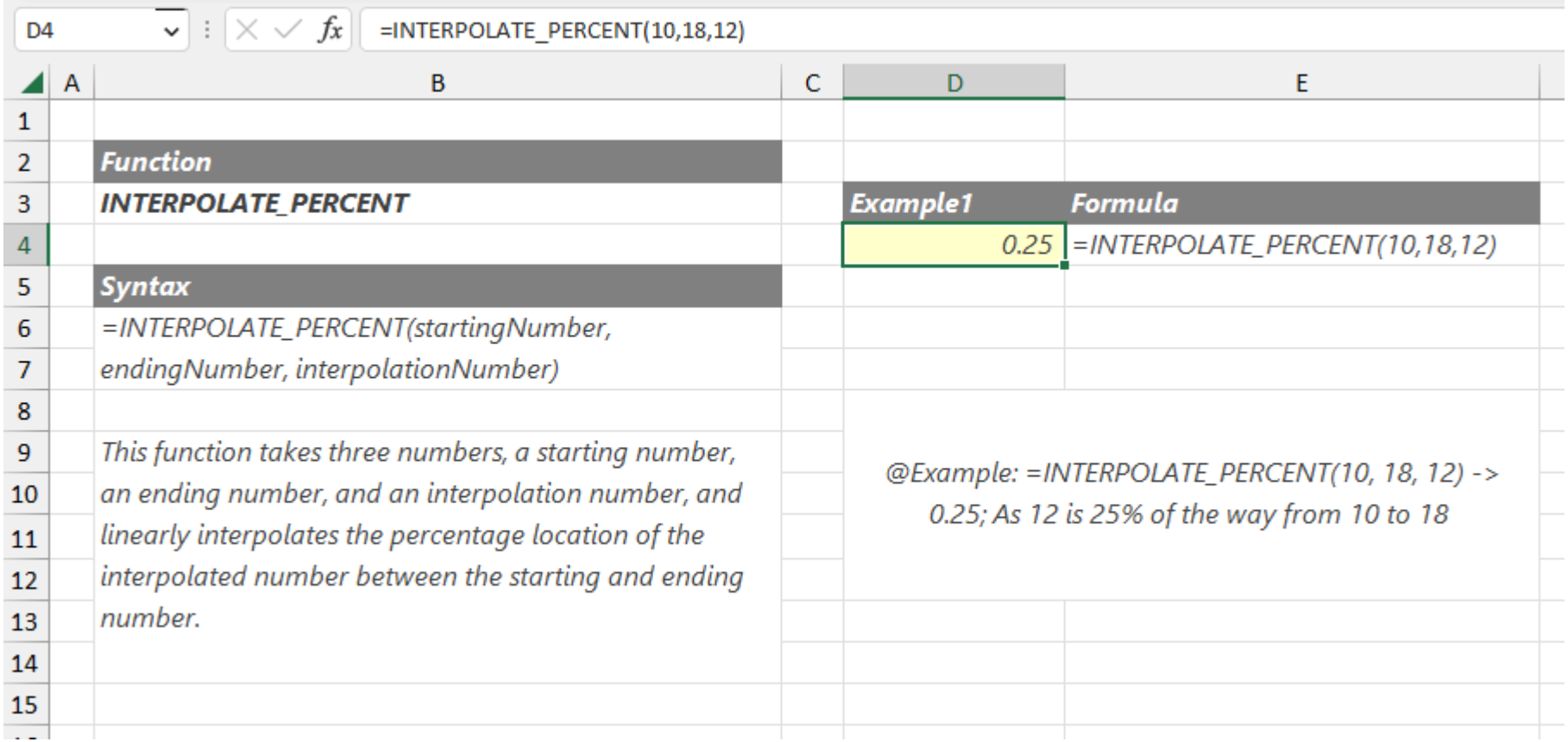


INTERPOLATE_NUMBER

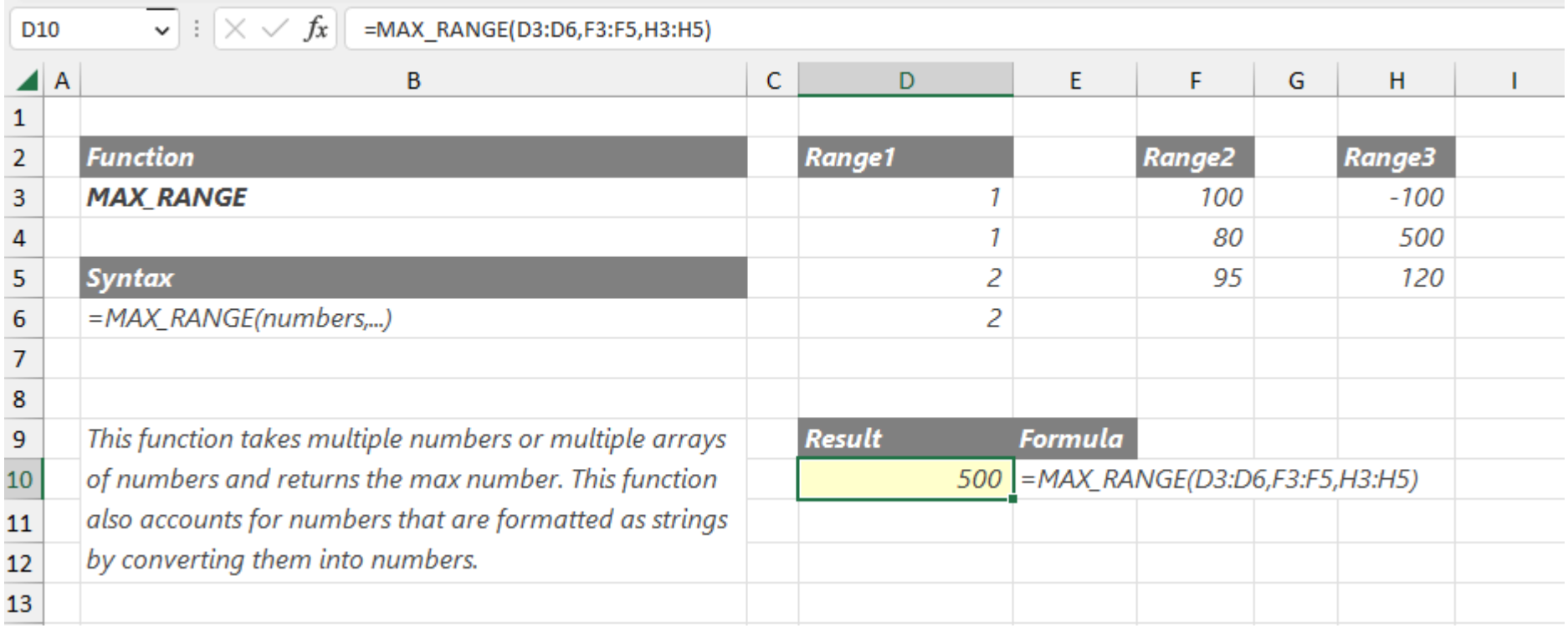


	A	B	C	D	E
1					
2		***Function***			
3		***INTERPOLATE_NUMBER***		***Example1***	***Formula***
4				*50*	*=INTERPOLATE_NUMBER(10,90,0.5)*
5		***Syntax***			
6		*=INTERPOLATE_NUMBER(startingNumber,*		***Example1***	***Formula***
7		*endingNumber, interpolationPercentage)*		*161.25*	*=INTERPOLATE_NUMBER(90,185,0.75)*
8					
9		*This function takes three numbers, a starting number,*			
10		*an ending number, and an interpolation percent, and*			
11		*linearly interpolates the number at the given*			
12		*percentage between the starting and ending number.*			
13					
14					

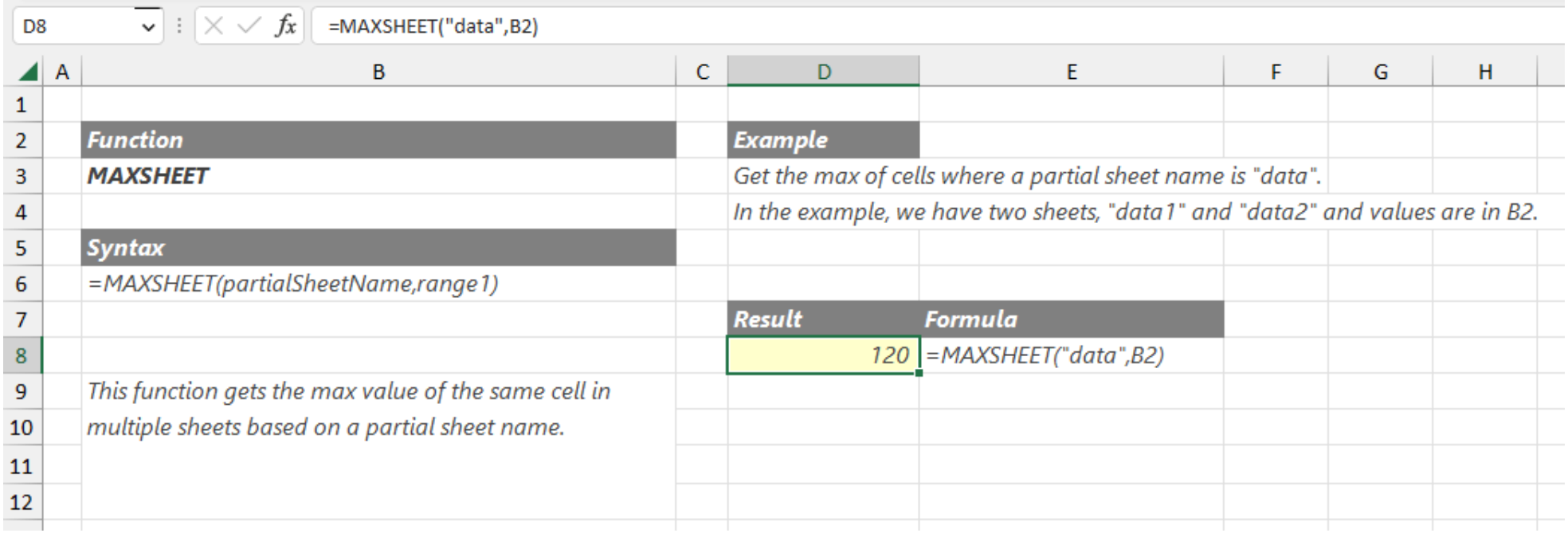
INTERPOLATE_PERCENT



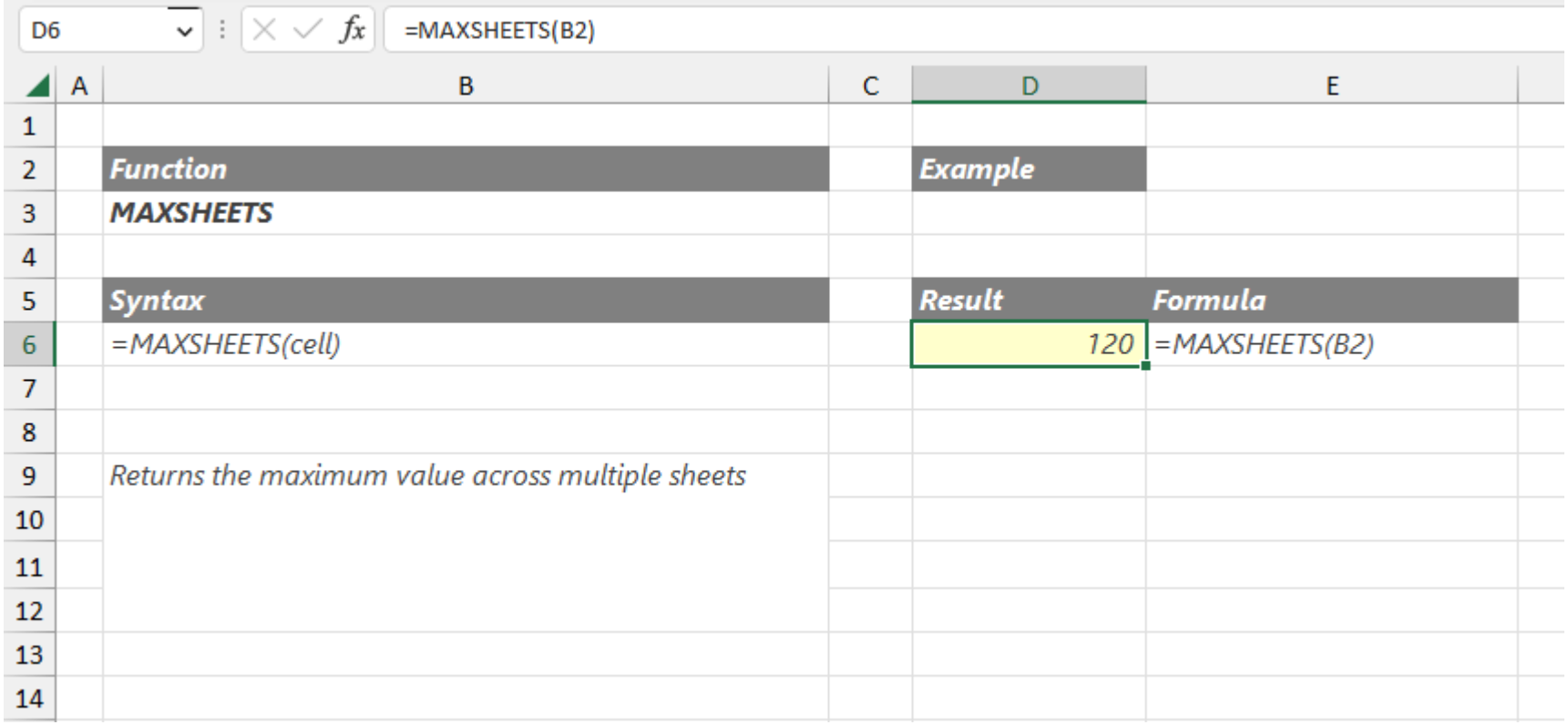
MAX_RANGE


D10
=MAX_RANGE(D3:D6,F3:F5,H3:H5)
Function
MAX_RANGE
Syntax
=MAX_RANGE(numbers,...)
This function takes multiple numbers or multiple arrays of numbers and returns the max number. This function also accounts for numbers that are formatted as strings by converting them into numbers.
Range1
1
1
2
2
Range2
100
80
95
Range3
-100
500
120
Result
500
Formula
=MAX_RANGE(D3:D6,F3:F5,H3:H5)

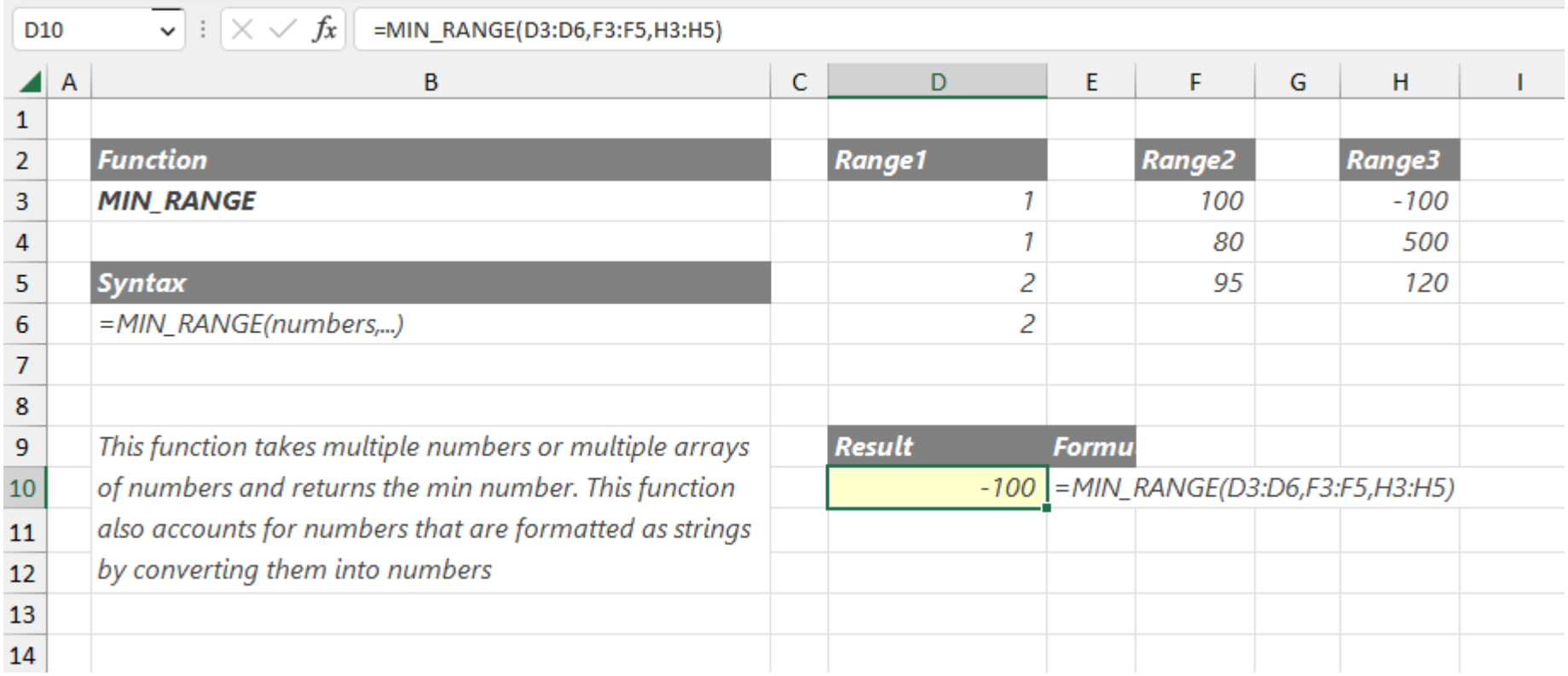
MAXSHEET


D8
=MAXSHEET("data",B2)
Function
MAXSHEET
Syntax
=MAXSHEET(partialSheetName,range1)
This function gets the max value of the same cell in multiple sheets based on a partial sheet name.
Example
Get the max of cells where a partial sheet name is "data".
In the example, we have two sheets, "data1" and "data2" and values are in B2.
Result
Formula
120
=MAXSHEET("data",B2)

MAXSHEETS


D6
=MAXSHEETS(B2)
Function
MAXSHEETS
Syntax
=MAXSHEETS(cell)
Returns the maximum value across multiple sheets
Example
Result
120
Formula
=MAXSHEETS(B2)

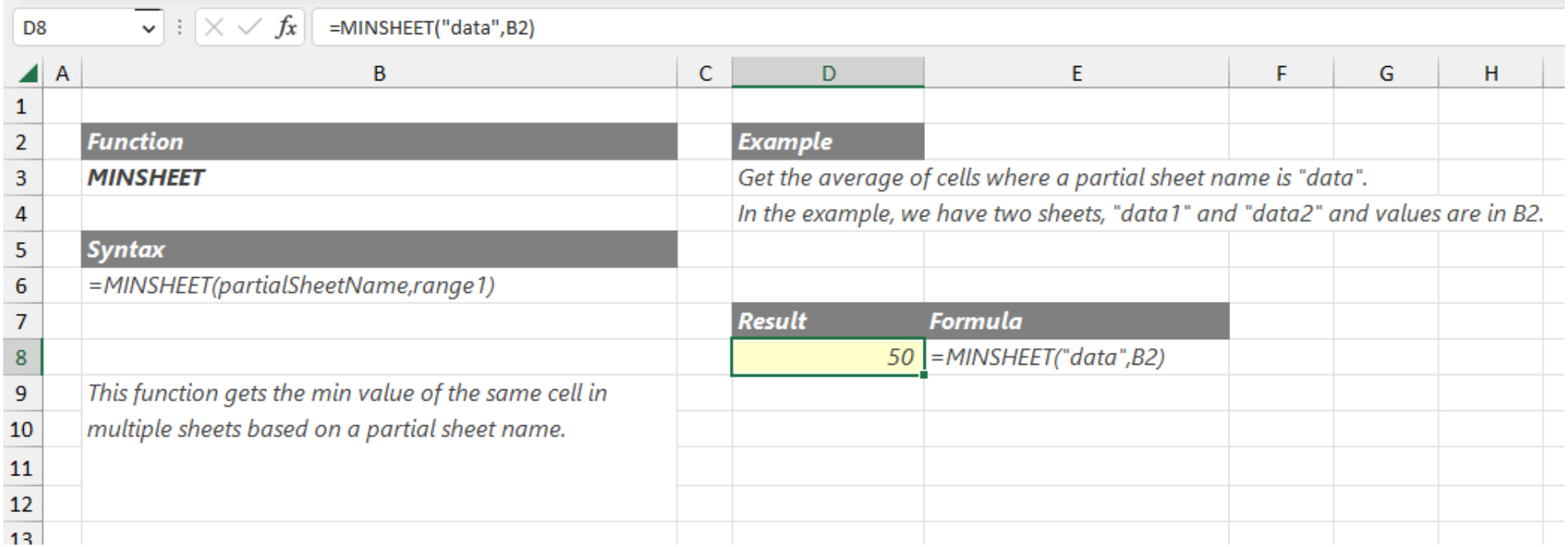
MIN_RANGE



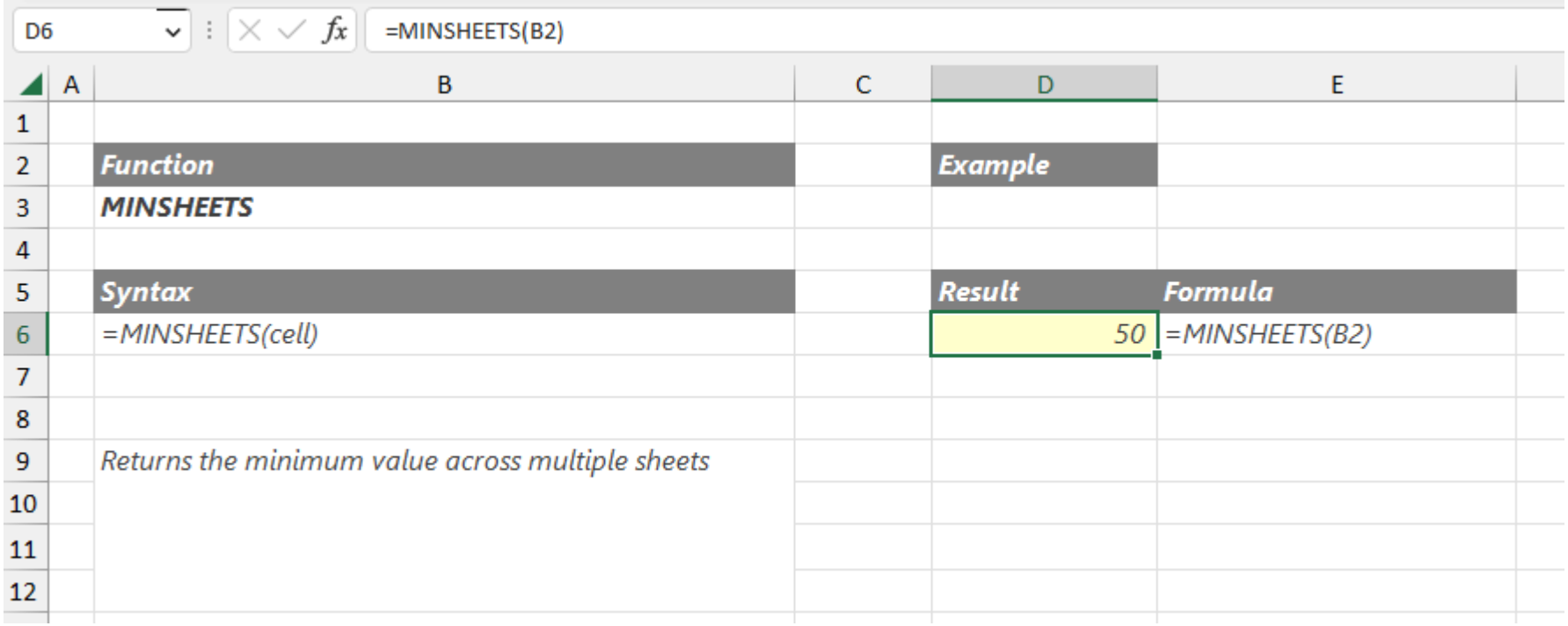
D10 =MIN_RANGE(D3:D6,F3:F5,H3:H5)

	A	B	C	D	E	F	G	H	I
1									
2		**Function**		**Range1**		**Range2**		**Range3**	
3		***MIN_RANGE***		1		100		-100	
4				1		80		500	
5		**Syntax**		2		95		120	
6		=MIN_RANGE(numbers,...)		2					
7									
8									
9		This function takes multiple numbers or multiple arrays		**Result**	**Formu**				
10		of numbers and returns the min number. This function		-100	=MIN_RANGE(D3:D6,F3:F5,H3:H5)				
11		also accounts for numbers that are formatted as strings							
12		by converting them into numbers							
13									
14									

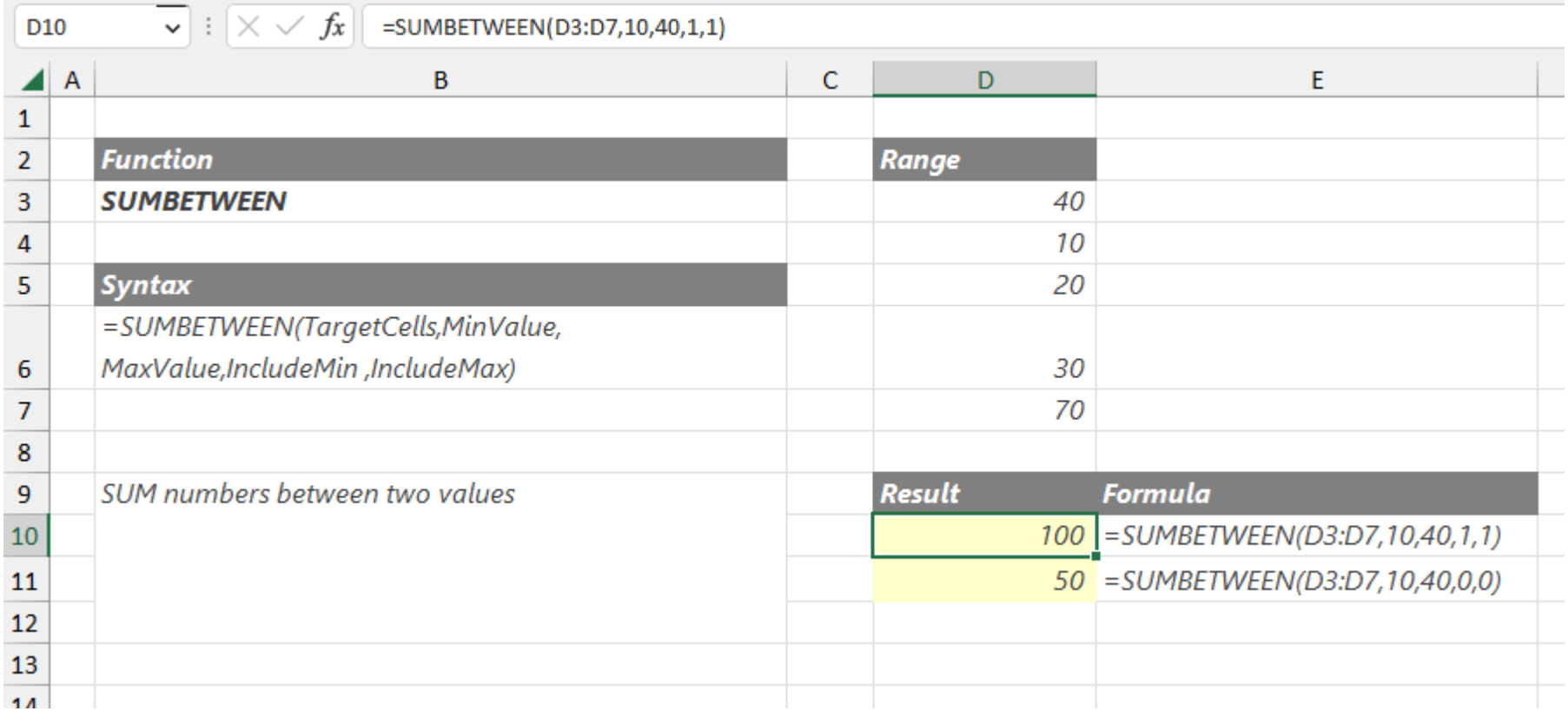
MINSHEET


D8
=MINSHEET("data",B2)
Function
MINSHEET
Syntax
=MINSHEET(partialSheetName,range1)
This function gets the min value of the same cell in multiple sheets based on a partial sheet name.
Example
Get the average of cells where a partial sheet name is "data".
In the example, we have two sheets, "data1" and "data2" and values are in B2.
Result
Formula
50
=MINSHEET("data",B2)

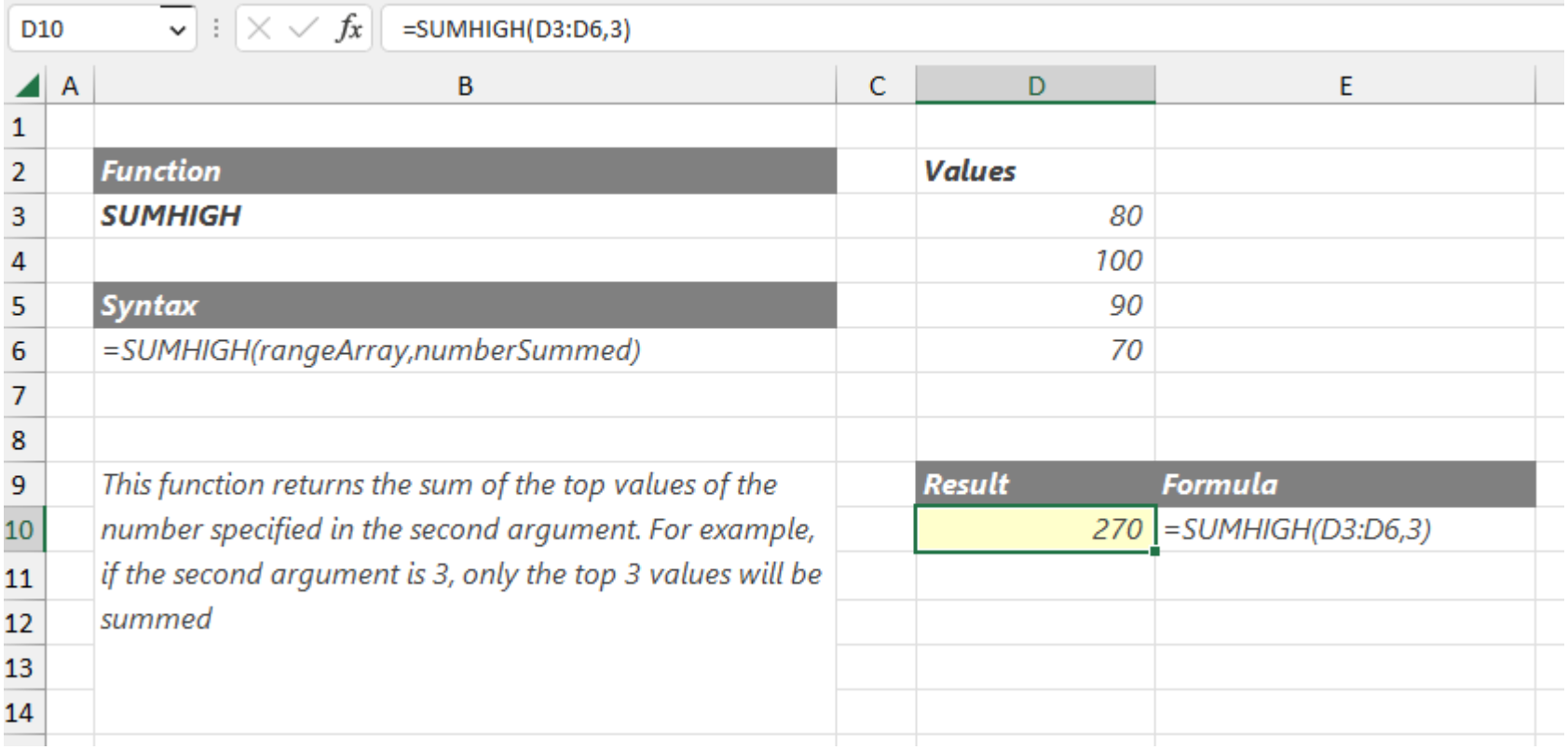
MINSHEETS


D6
=MINSHEETS(B2)
Function
MINSHEETS
Syntax
=MINSHEETS(cell)
Returns the minimum value across multiple sheets
Example
Result
Formula
50
=MINSHEETS(B2)

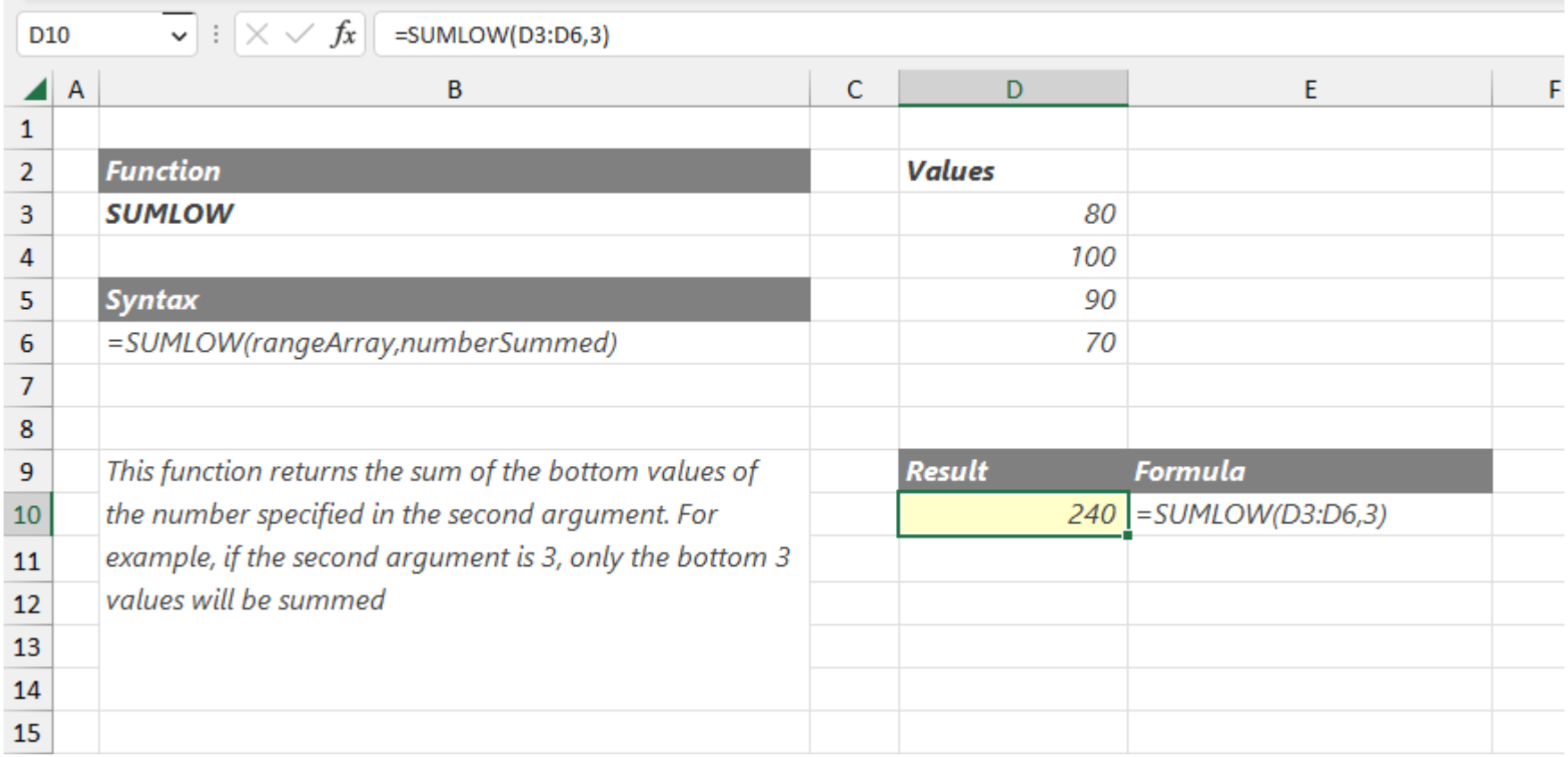
SUMBETWEEN


D10
=SUMBETWEEN(D3:D7,10,40,1,1)
Function
SUMBETWEEN
Syntax
=SUMBETWEEN(TargetCells,MinValue,
MaxValue,IncludeMin ,IncludeMax)
SUM numbers between two values
Range
40
10
20
30
70
Result
Formula
100
=SUMBETWEEN(D3:D7,10,40,1,1)
50
=SUMBETWEEN(D3:D7,10,40,0,0)

SUMHIGH


D10
=SUMHIGH(D3:D6,3)
A
B
C
D
E
1
2 Function
3 SUMHIGH
4
5 Syntax
6 =SUMHIGH(rangeArray,numberSummed)
7
8
9 This function returns the sum of the top values of the
10 number specified in the second argument. For example,
11 if the second argument is 3, only the top 3 values will be
12 summed
13
14
Values
80
100
90
70
Result
Formula
270
=SUMHIGH(D3:D6,3)

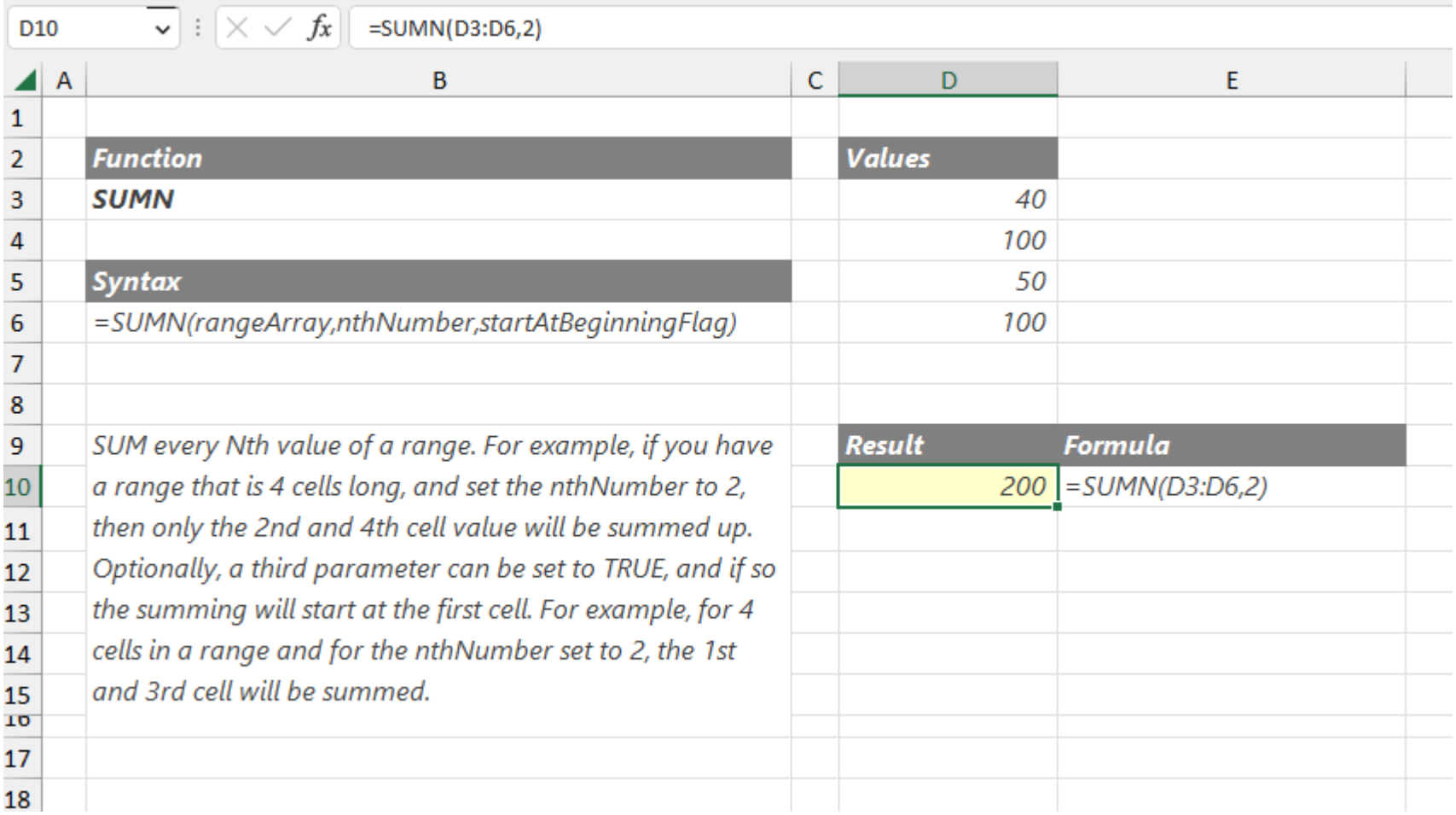
SUMLOW



D10 =SUMLOW(D3:D6,3)

	A	B	C	D	E	F
1						
2		***Function***		***Values***		
3		***SUMLOW***		*80*		
4				*100*		
5		***Syntax***		*90*		
6		*=SUMLOW(rangeArray,numberSummed)*		*70*		
7						
8						
9		*This function returns the sum of the bottom values of*		***Result***	***Formula***	
10		*the number specified in the second argument. For*		*240*	*=SUMLOW(D3:D6,3)*	
11		*example, if the second argument is 3, only the bottom 3*				
12		*values will be summed*				
13						
14						
15						

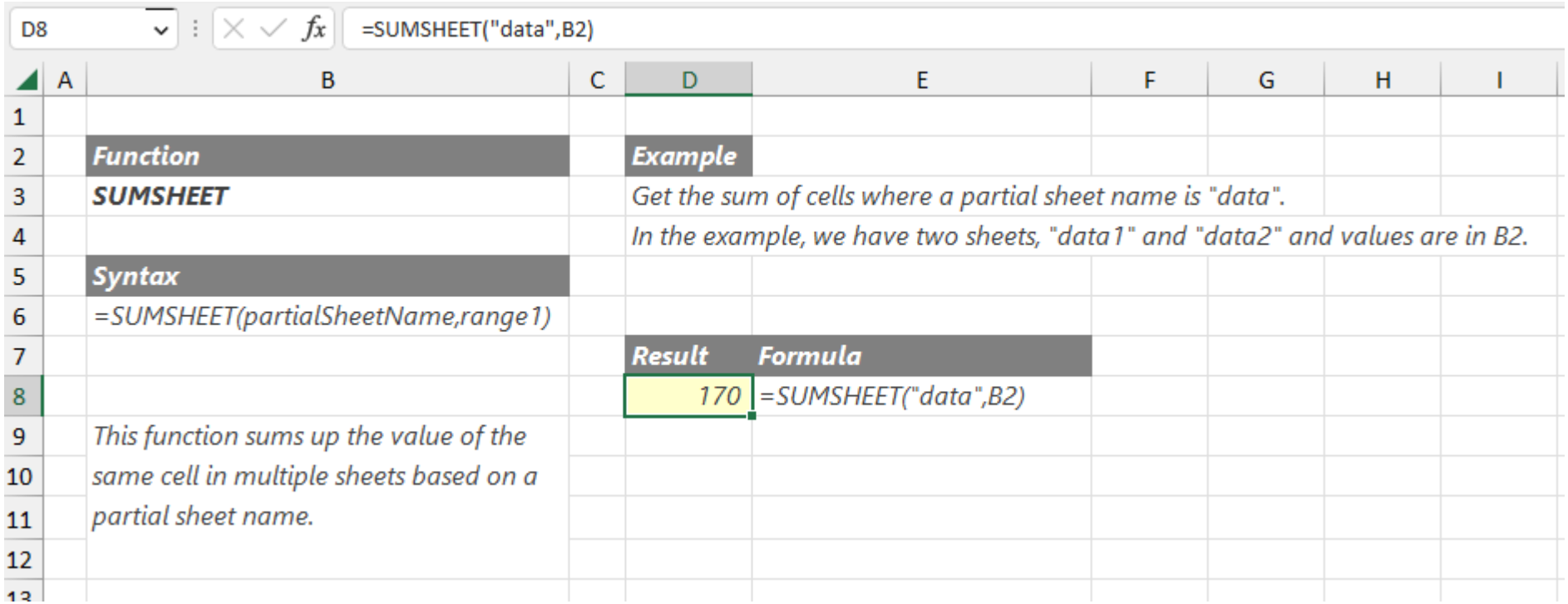
SUMN



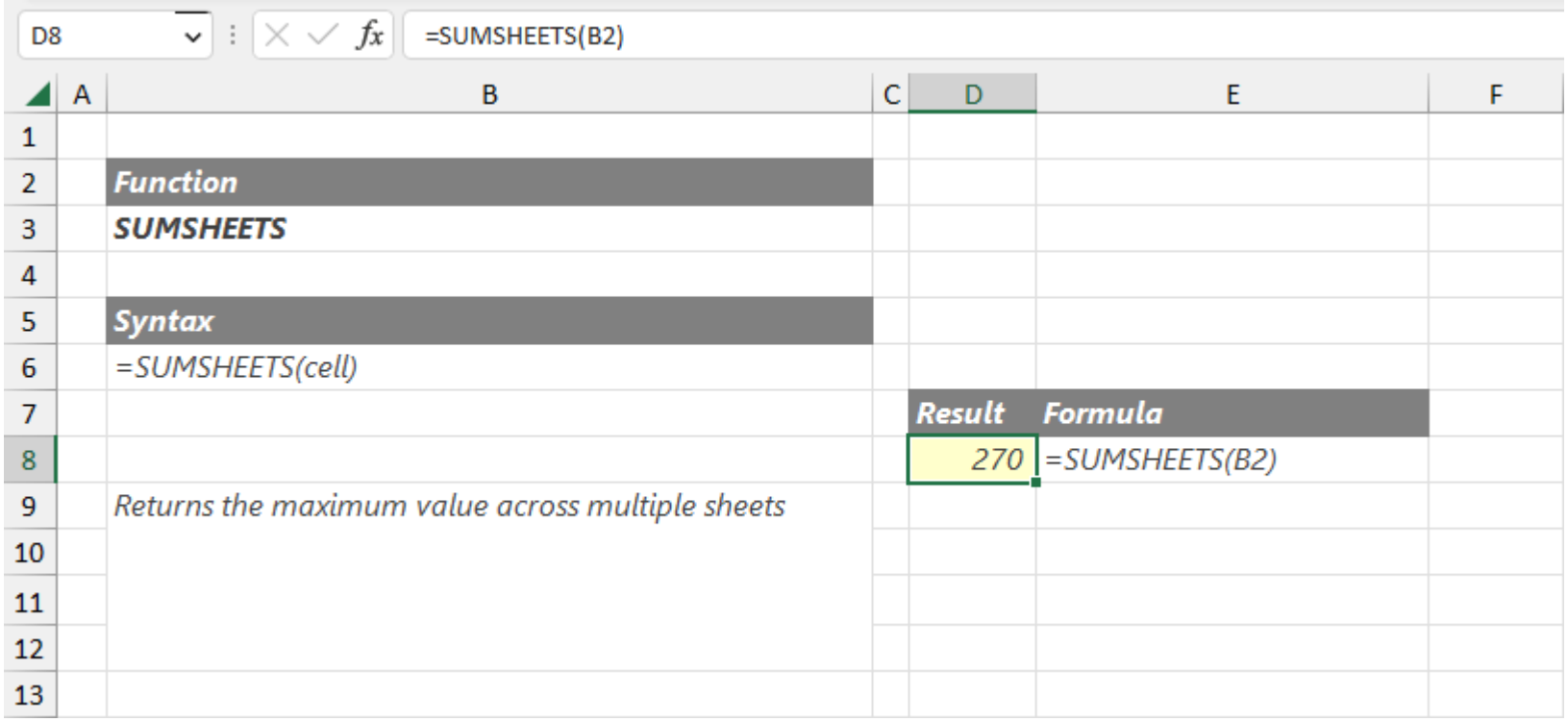
D10 | =SUMN(D3:D6,2)

	A	B	C	D	E
1					
2		***Function***		***Values***	
3		***SUMN***		*40*	
4				*100*	
5		***Syntax***		*50*	
6		*=SUMN(rangeArray,nthNumber,startAtBeginningFlag)*		*100*	
7					
8					
9		*SUM every Nth value of a range. For example, if you have*		***Result***	***Formula***
10		*a range that is 4 cells long, and set the nthNumber to 2,*		*200*	*=SUMN(D3:D6,2)*
11		*then only the 2nd and 4th cell value will be summed up.*			
12		*Optionally, a third parameter can be set to TRUE, and if so*			
13		*the summing will start at the first cell. For example, for 4*			
14		*cells in a range and for the nthNumber set to 2, the 1st*			
15		*and 3rd cell will be summed.*			
16					
17					
18					

SUMSHEET


D8
=SUMSHEET("data",B2)
Function
SUMSHEET
Syntax
=SUMSHEET(partialSheetName,range1)
This function sums up the value of the same cell in multiple sheets based on a partial sheet name.
Example
Get the sum of cells where a partial sheet name is "data".
In the example, we have two sheets, "data1" and "data2" and values are in B2.
Result
Formula
170
=SUMSHEET("data",B2)

SUMSHEETS


D8
=SUMSHEETS(B2)
Function
SUMSHEETS
Syntax
=SUMSHEETS(cell)
Result
Formula
270
=SUMSHEETS(B2)
Returns the maximum value across multiple sheets