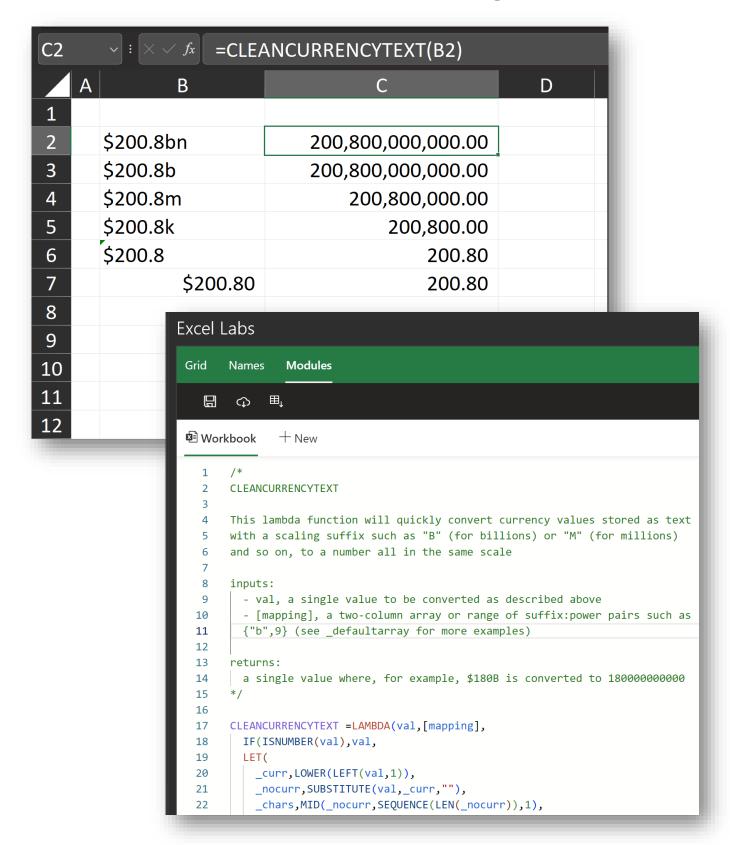
Excel LAMBDA function to standardize currency values



Explanation - 1

A single-cell value holding some number which you want to standardize

An optional two-column array or range of suffix:power pairs such as {"bn",9}. See _defaultarray for more examples.

```
CLEANCURRENCYTEXT =LAMBDA(val,[mapping],
IF(ISNUMBER(val),val,
LET(
    _curr,LOWER(LEFT(val,1)),
    _nocurr,SUBSTITUTE(val,_curr,""),
    _chars,MID(_nocurr,SEQUENCE(LEN(_nocurr)),1),
    _nonnumeric,FILTER(_chars,ISERR(INT(_chars))),
```

If **val** is a number, just return it.

Otherwise, let:

- _curr be the first character in the text (assumed to be the currency)
- **_nocurr** be the result of replacing the currency with an empty string
- _chars be the array of characters in _nocurr
- _nonnumeric be the non-numeric characters in _chars

	Α	В	С	D	E	F
1		val	_curr	_nocurr	_chars	_nonnumeric
2		\$200.8bn	\$	200.8bn	2	
3					0	b
4					0	n
5						
6					8	
7					b	
8					n	
_						

Explanation - 2

Further, let:

- **_filtered** be the non-numeric characters which aren't either a period or a comma. The assumption is this returns the characters that form the suffix.
- _joined be the result of joining suffix characters found in _filtered
- _suffix be the replacement of an error in _joined with any text (here I've used "nope")
- **defaultmapping** be a two-column array of common suffix multipliers

	Α	В	С	D	Е	F	G
1		val	_filtered	_joined	_suffix	_defaultmapp	ing
2		\$200.8bn	b	bn	bn	b	9
3			n			bn	9
4						bns	9
5						m	6
6						mm	6
7						mn	6
8						k	3
9						nope	0
10							

Explanation - 3

Further, let:

- _mapping be the mapping passed to the function or the _defaultmapping if mapping was omitted
- _multiplier be the Nth power of 10 where N is the value returned from _mapping by looking for _suffix
- _nosuffix be the result of replacing suffix in _nocurr with an empty string
- _output be the result of multiplying _nosuffix by _multiplier

A	В	С	D	Е	F	G
1	val	_mappin	g	_multiplier	_nosuffix	_output
2	\$200.8bn	b	9	100000000	200.8	200800000000.00
3		bn	9			
4		bns	9			
5		m	6			
6		mm	6			
7		mn	6			
8		k	3			
9		nope	0			
40						

But why?

Now that we've converted the numbers to a common scale, we can use them in calculations!

	АВ	С	D
1			
2	\$200.8bn	200,800,000,000.00	=CLEANCURRENCYTEXT(B2)
3	\$200.8M	200,800,000.00	=CLEANCURRENCYTEXT(B3)
4	\$200.8k	200,800.00	=CLEANCURRENCYTEXT(B4)
5	\$200.80	200.80	=CLEANCURRENCYTEXT(B5)
6	\$200.8	200.80	=CLEANCURRENCYTEXT(B6)
7			
8	\$200.80	201,001,001,201.60	
9	=SUM(B2:B6)	=SUM(C2:C6)	
10	X		

Grab the function



