VLOOKUP: Search the first column of a range of cell, and return a value from any cell on the same row of the range.

***ONLY allow the search from LEFT to RIGHT.

VLOOKUP(lookup_value, table_array, col_index_num, [range_lookup])

Lecture Google Sheet:
Lecture Excel Sheet

How many days did it snow in the month with the greatest amount of snowfall?
Answer: 48 =SUMIFS(L:L,B:B,C161)

...what year was it?
Answer: 2010 =INDEX(A:A,MATCH(G161,H:H,0),1)

...what month was it?
Answer: 12 =INDEX(B:B,MATCH(G161,H:H,0),1)

Max Revenue: 54716
Product: =INDEX(B:B,MATCH(123,E:E,0),1) bar chart column B, and return column B,
Month: We have to use INDEX/MATCH
Region: because we want to return from right to left

Look at the 5th column in A:E