

INDEX Vs MATCH assignment

ProductID	Product	Category	Jan Sales	Feb Sales	Mar Sales
101	PROD A	Electronics	120	130	140
102	PROD B	Furniture	150	160	170
103	PROD C	Electronics	200	210	220
104	PROD D	Clothing	90	100	110
105	PROD E	Furniture	220	230	240
106	PROD F	Electronics	130	140	150

1. Use INDEX and MATCH to find the sales for Product C in March.
2. Use INDEX and MATCH to find the category for Product E.
3. Use INDEX and MATCH to find the maximum sales for Product B across all months.
4. Use INDEX and MATCH to find the month with the maximum sales for Product A.
5. Use INDEX, MATCH, and SUMIF to sum the sales for all products in the "Electronics" category for April.
6. Use INDEX and MATCH to calculate the average sales for Product D across all months.
7. Use INDEX and MATCH to find the sales for Product ID 105 in May.
8. Use INDEX and MATCH to create a dynamic lookup where the user can input a product and a month, and the formula returns the corresponding sales

May and april values

Formula =RANDBETWEEN(100,200)

ProductID	Product	Category	Jan Sales	Feb Sales	Mar Sales	may sales	april
101	PROD A	Electronic	120	130	140	129	161
102	PROD B	Furniture	150	160	170	114	180
103	PROD C	Electronic	200	210	220	121	133
104	PROD D	Clothing	90	100	110	123	193
105	PROD E	Furniture	220	230	240	169	138
106	PROD F	Electronic	130	140	150	192	183

PN product name data validation

Month Jan, Feb, Mar, May, April sales data validation

PN	month
PROD F	Feb Sales

Formula

Q1 =INDEX(D2:F7, MATCH("PROD C", B2:B7, 0), MATCH("Mar Sales", D1:F1, 0))

Q2 =INDEX(C2:C7, MATCH("PROD E", B2:B7, 0))

Q3 =MAX(INDEX(D2:H7, MATCH("PROD B", B2:B7, 0), 0))

Q4 =INDEX(D1:H1, MATCH(MAX(INDEX(D2:F7, MATCH("PROD A", B2:B7, 0), 0)), INDEX(D2:F7, MATCH("PROD A", B2:B7, 0), 0), 0))

Q5 =AVERAGE(INDEX(D2:F7, MATCH("PROD D", B2:B7, 0), 0))

Q6 =AVERAGE(INDEX(D2:F7, MATCH("PROD D", B2:B7, 0), 0))

Q7 =INDEX(G2:G7, MATCH(105, A2:A7, 0))

Q8 =INDEX(D2:F7, MATCH(B10, B2:B7, 0), MATCH(C10, D1:F1, 0))

Output

Q	A
1	220
2	Furniture
3	193
4	Mar Sales
5	472
6	100
7	128
8	140