

ADVANCE EXCEL ASSIGNMENT 12

Dataset:

<https://docs.google.com/spreadsheets/d/1IRSEnmgz8Ro276GslknRNk0zlrB5CZH1YrnT71kgFM/edit?usp=sharing>

Use the above dataset and answer the following questions.

1. What is the total amount of stationary bought from Madhya Pradesh?

To calculate the sum of numbers that satisfies a specific condition, we can use SUMIF() function. Syntax is as follows: =SUMIF (Range, Criteria, [Sum Range])

Using the below formula on the given dataset we get the result as follows:

=SUMIF(\$F\$2:\$F\$187,"Madhya Pradesh",\$D\$2:\$D\$187)

Total amount of stationary bought from Madhya Pradesh = **240418**

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H3 X ✓ fx =SUMIF(\$F\$2:\$F\$187,"Madhya Pradesh",\$D\$2:\$D\$187)

	A	B	C	D	E	F	G	H	I
	Order ID	Product	Category	Amount	Date	Country			
1	1	Shoe	Footwear	₹ 4,270	06-01-2016	Madhya Pradesh			
3	2	Scale	Stationary	₹ 617	08-01-2016	Madhya Pradesh	Total amount of stationary bought from Madhya Pradesh	240418	
4	3	Scale	Stationary	₹ 8,384	10-01-2016	West Bengal			
5	4	Socks	Footwear	₹ 2,626	10-01-2016	Uttar Pradesh	Total count of stationary bought from Tamilnadu	13	
6	5	Compass	Stationary	₹ 3,610	11-01-2016	Madhya Pradesh			
7	6	Scale	Stationary	₹ 6,906	16-01-2016	Tamilnadu	Total amount spent on footwear	194226	
8	7	Pencil	Stationary	₹ 2,417	16-01-2016	Delhi			
9	8	Pencil	Stationary	₹ 7,431	16-01-2016	West Bengal	Total amount of money spent for stationary in July	53398	
10	9	Scale	Stationary	₹ 8,250	16-01-2016	Uttar Pradesh			
11	10	Shoe	Footwear	₹ 1,903	20-01-2016	Uttar Pradesh	Count of footwear that is coming from Delhi	2	
12	11	Pencil	Stationary	₹ 6,946	24-01-2016	Delhi			
13	12	Scale	Stationary	₹ 2,320	27-01-2016	Kerala			
14	13	Scale	Stationary	₹ 2,116	28-01-2016	Madhya Pradesh			
15	14	Scale	Stationary	₹ 1,135	30-01-2016	Kerala			

2. What is the total count of stationary bought from Tamilnadu?

To calculate the count of data based on more than one criteria, use COUNTIFS() function. Syntax is:

COUNTIFS(criteria_range1, criteria1, [criteria_range2, criteria2]...)

Using the below formula on the given dataset we get the result as follows:

=COUNTIFS(C2:C187,"=Stationary",F2:F187,"=Tamilnadu")

Total count of stationary bought from Tamilnadu = **13**

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H5	=COUNTIFS(C2:C187,"=Stationary",F2:F187,"=Tamilnadu")							
	A	B	C	D	E	F	G	H
1	Order ID	Product	Category	Amount	Date	Country		
2	1	Shoe	Footwear	₹ 4,270	06-01-2016	Madhya Pradesh		
3	2	Scale	Stationary	₹ 617	08-01-2016	Madhya Pradesh	Total amount of stationary bought from Madhya Pradesh	240418
4	3	Scale	Stationary	₹ 8,384	10-01-2016	West Bengal		
5	4	Socks	Footwear	₹ 2,626	10-01-2016	Uttar Pradesh	Total count of stationary bought from Tamilnadu	13
6	5	Compass	Stationary	₹ 3,610	11-01-2016	Madhya Pradesh		
7	6	Scale	Stationary	₹ 6,906	16-01-2016	Tamilnadu	Total amount spent on footwear	194226
8	7	Pencil	Stationary	₹ 2,417	16-01-2016	Delhi		
9	8	Pencil	Stationary	₹ 7,431	16-01-2016	West Bengal	Total amount of money spent for stationary in July	53398
10	9	Scale	Stationary	₹ 8,250	16-01-2016	Uttar Pradesh		
11	10	Shoe	Footwear	₹ 1,903	20-01-2016	Uttar Pradesh	Count of footwear that is coming from Delhi	2
12	11	Pencil	Stationary	₹ 6,946	24-01-2016	Delhi		
13	12	Scale	Stationary	₹ 2,320	27-01-2016	Kerala		
14	13	Scale	Stationary	₹ 2,116	28-01-2016	Madhya Pradesh		

3. What is the total amount spent on footwear?

To calculate the total amount spent on footwear, use SUMIF() function as follows:

=SUMIF(C2:C187,"Footwear",D2:D187)

Total amount spent on footwear = **194226**

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H7	=SUMIF(C2:C187,"Footwear",D2:D187)							
	A	B	C	D	E	F	G	H
1	Order ID	Product	Category	Amount	Date	Country		
2	1	Shoe	Footwear	₹ 4,270	06-01-2016	Madhya Pradesh		
3	2	Scale	Stationary	₹ 617	08-01-2016	Madhya Pradesh	Total amount of stationary bought from Madhya Pradesh	240418
4	3	Scale	Stationary	₹ 8,384	10-01-2016	West Bengal		
5	4	Socks	Footwear	₹ 2,626	10-01-2016	Uttar Pradesh	Total count of stationary bought from Tamilnadu	13
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7	6	Scale	Stationary	₹ 6,906	16-01-2016	Tamilnadu	Total amount spent on footwear	194226
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10	9	Scale	Stationary	₹ 8,250	16-01-2016	Uttar Pradesh		
11	10	Shoe	Footwear	₹ 1,903	20-01-2016	Uttar Pradesh	Count of footwear that is coming from Delhi	2
12	11	Pencil	Stationary	₹ 6,946	24-01-2016	Delhi		
13	12	Scale	Stationary	₹ 2,320	27-01-2016	Kerala		

4. What is the total amount of money spent for stationary in July?

To calculate the sum over more than one criteria, use SUMIFS() function.

Syntax : =SUMIFS(sum_range,criteria_range_1,criteria_range,...)

The formula used here is:

=SUMIFS(D2:D187,C2:C187,"=Stationary",E2:E187,">="&DATE(2016,7,1),E2:E187,"<="&EOMONTH("01-07-2016",0))

Total amount of money spent for stationary in July = **53398**

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H11 =COUNTIFS(C2:C187,"=Footwear",F2:F187,"=Delhi")

	A	B	C	D	E	F	G	H
1	Order ID	Product	Category	Amount	Date	Country		
2	1	Shoe	Footwear	₹ 4,270	06-01-2016	Madhya Pradesh		
3	2	Scale	Stationary	₹ 617	08-01-2016	Madhya Pradesh	Total amount of stationary bought from Madhya Pradesh	240418
4	3	Scale	Stationary	₹ 8,384	10-01-2016	West Bengal		
5	4	Socks	Footwear	₹ 2,626	10-01-2016	Uttar Pradesh	Total count of stationary bought from Tamilnadu	13
6	5	Compass	Stationary	₹ 3,610	11-01-2016	Madhya Pradesh		
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14	13	Scale	Stationary	₹ 2,116	28-01-2016	Madhya Pradesh		