

## DAY 5

Day 5 aims to solve exercises on conditional formulas mainly Ifs.

Q1: Use IF to calculate sales commission. Calculate commissions for all sales. Imply the condition:

- a) If the value in the sales table is greater then 30,000 then commission would be 20%.
- b) If the sales are anything less, commission rate will be 1%.

Printer Cartridge Reps Commission for This Month Using Single IF					
Sales Rep	Sales	Commission This Month			
Emily	£25,000.00	£250.00			
Rob	£19,000.00	£190.00	Threshold	£30,000	
Michael	£27,500.00	£275.00	High Rate	20.00%	
Francine	£14,000.00	£140.00	Low Rate	1.00%	
Mircea	£33,300.00	£666.00			
Helena	£41,800.00	£836.00			
Bridget	£17,300.00	£173.00			
Paolo	£23,800.00	£238.00			
<b>TOTAL</b>	<b>£201,700.00</b>	<b>£2,768.00</b>			

Q2: Calculate conditional counts and sums of data using Excel functions for sales data.

- a) Calculate the count of sales less than 40.
- b) Show the number of sales where the name is Juliette and sales are greater than 50.
- c) Show the sum of all sales where sales are less than 40.
- d) Show the total of all Sam's sales that are greater than 70.

Jan Week 1 Sales Figs for Midlands Team					
	Name	No. Sales			
	Juliette	54			
	Rory	27			
	Sam	39			
	Juliette	88			
	Juliette	39			
	Sam	96			
COUNT		0	6	(see the difference when you remove data from both cols)	
COUNTA		6	6	(see the difference when you remove data from both cols)	
	IF name is Sam	IF sales>60	IF sales<40		
COUNTIF	2	2	3		
	IF name >K and sales >30	IF name is Sam and sales >50	IF name is Juliette and sales >50		
COUNTIFS	2	1	2		
	Manchester				
	Mansfield				
	Liverpool				
	Hull				
	Derby				
	Oxford				
	Alton				
	4	IF the name < Manchester			

Jan Week 1 Sales Figs for Midlands Team		
	Name	No. Sales
	Juliette	54
	Rory	27
	Sam	39
	Juliette	88
	Juliette	39
	Sam	96
SUM	0	343
	IF name is Juliette	IF sales>80
SUMIF	0	184
		IF sales<40
		105
	IF name <M and sales <45	IF name is Rory and sales <50
SUMIFS	39	27
		IF name is Sam and sales >70
		96

Q3: Calculate different parking charges for parking data. Apply the following condition:

- If park > 6, pay 3.50\$/ hr.
- Anything less, pay 1\$/ hr.

Car Parking Charges		
Car Reg	No. Hrs Parked	Parking Charge
DA12 NEJ	6	£6.00
MA16 BVW	12	£42.00
DD11 SFD	8	£28.00
MA14 NHG	11	£38.50
YK14 BHH	5	£5.00
DY15 FLB	3	£3.00
MM12 SWL	12	£42.00
MA16 GKW	7	£24.50
FS12 DSD	1	£1.00
DA11 SBM	6	£6.00

Q4: Use IF to display different size text images. Create a function that displays the message for order size. Apply conditions:

- If the age is greater than or equal to 6 weeks, set the order size to medium.
- Anything less, set it to Small.

Babygro Orders		
Order No	Age of Baby (in weeks)	Order Size
5937	2	Small
5938	8	Medium
5562	3	Small
5939	12	Medium
5880	9	Medium
5941	6	Medium
5945	1	Small
5942	5	Small
Age threshold:		6