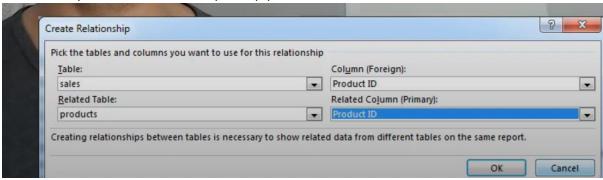
Q) Vlookup or Index+Match or Xlookup?

Vlookup – for simple data (less data) or situations

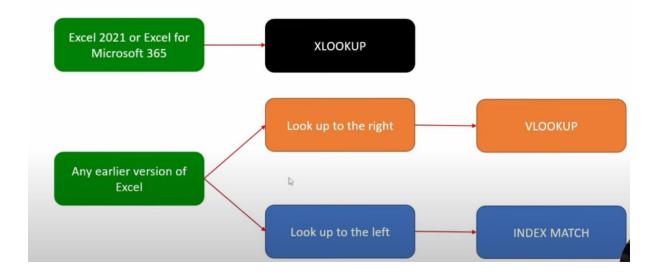
Index+Match – when you have lots of data & lookup

If there is any other method then try to imply relation between table



https://www.youtube.com/watch?v=3bVhmfi5XVA&list=PLmejDGrsgFyBl93GPXVV4KVFRfh37zj2Y&index=1

When To Use Which?



Order ID	Customer Name	Customer ID	Email	Sales
AAQ-13644-699	Fernando Sulman	46296-42617-OQ	fsulmanl0@washington.edu	35.80
ABK-08091-531	Tess Benediktovich	53864-36201-FG	tbenediktovichmv@ebay.com	47.55
ABO-29054-365	Stanislaus Valsler	00256-19905-YG		40.50
ACY-56225-839	Kynthia Berick	47386-50743-FG		77.63
ADP-04506-084	Hatty Dovydenas	61809-87758-LJ		189.75
ADX-50674-975	Freda Hollows	58916-61837-QH	fhollowsc8@blogtalkradio.com	103.50
AEL-51169-725	Eveleen Bletsor	37430-29579-HD	ebletsor8l@vinaora.com	26.19
AEZ-13242-456	Marguerite Graves	62494-09113-RP		29.85
AGQ-06534-750	Kevan Grinsted	52798-46508-HP	kgrinstedj4@google.com.br	64.75
AHQ-40440-52	2 Martie Brimilcombe	83833-46106-ZC	mbrimilcombele@cnn.com	9.95
AHV-66988-037	7 Christel Speak	12743-00952-KO		45.77
AHY-20324-088	Nicky Ayris	63499-24884-PP	nayrisix@t-online.de	9.51
AIA-98989-755	Sacha Bruun	34704-83143-KS	sbruunjt@blogtalkradio.com	2.99
AJL-52941-018	Lind Conyers	55871-61935-MF	lconyers2y@twitter.com	24.30
AJV-18231-334	Agnes Adamides	23473-41001-CD	aadamidesco@bizjournals.com	41.17
AKV-93064-769	Terry Sheryn	22305-40299-CY	tsheryn31@mtv.com	7.77
ALA-62598-016	Noak Wyvill	57145-03803-ZL	nwyvill6b@naver.com	16.11
ALM-80762-974	4 Charlean Keave	84045-66771-SL	ckeaver1@ucoz.com	23.31
ALP-37623-536	Charmane Denys	24689-69376-XX	cdenysi1@is.gd	95.10
ALR-62963-723	Malynda Purbrick	80463-43913-WZ		8.06

VLOOKUP						
Customer ID		Email	Sales	Customer Name	Order ID	
53864-36201-FG	Q.					
00256-19905-YG						
58916-61837-QH						
52798-46508-HP						
83833-46106-ZC						
12743-00952-KO						
63499-24884-PP						
34704-83143-KS						
80463-43913-WZ						

Customer ID	Email	Sales	Customer Name	Order ID
53864-36201-FG	=VLOOKUP(
00256-19905-YG	VLOOKUP(lookup_value, table_array, col	_index_nu	m, [range_lookup])	
58916-61837-QH				
52798-46508-HP				
83833-46106-ZC	ф			
12743-00952-KO	•			
63499-24884-PP				
34704-83143-KS				
80463-43913-WZ				

Customer ID	Email	Sales
46296-42617-OQ	fsulmanl0@washington.edu	35.80
53864-36201-FG	tbenediktovichmv@ebay.com	47.55
00256-19905-YG		40.50
47386-50743-FG		77.63
61809-87758-LJ		189.75
58916-61837-QH	fhollowsc8@blogtalkradio.com	103.50
37430-29579-HD	ebletsor8l@vinaora.com	26.19
62494-09113-RP		29.85
52798-46508-HP	kgrinstedj4@google.com.br	64.75
83833-46106-ZC	mbrimilcombele@cnn.com	9.95
12743-00952-KO		45.77
63499-24884-PP	nayrisix@t-online.de	9.51
34704-83143-KS	sbruunjt@blogtalkradio.com	2.99
55871-61935-MF	lconyers2y@twitter.com	24.30
23473-41001-CD	aadamidesco@bizjournals.com	41.17
22305-40299-CY	tsheryn31@mtv.com	7.77
57145-03803-ZL	nwyvill6b@naver.com	16.11
84045-66771-SL	ckeaver1@ucoz.com	23.31
24689-69376-XX	cdenysi1@is.gd	95.10
80463-43913-WZ		8.06

	VLOOKUP				
Customer ID	Email	Sale			
53864-36201-FG	=VLOOKUP(G4,\$C\$3:\$E\$23,2				
00256-19905-YG	VLOOKUP(lookup_value, table_array, col	index_r			
58916-61837-QH					
52798-46508-HP					
83833-46106-ZC					
12743-00952-KO					
63499-24884-PP					
34704-83143-K					
80463-43913-WZ					

А	R	(U	t	r	G	Н	
		Orders T	able				INDE	X MATCH
Order ID	Customer Name	Customer ID	Email	Sales		Customer ID	Email	Sales C
AAQ-13644-699	Fernando Sulman	46296-42617-00	fsulmanl0@washington.edu	35.80		53864-36201-FG		
ABK-08091-531	Tess Benediktovich	53864-36201-FG	tbenediktovichmv@ebay.com	47.55		47386-50743-FG		
ABO-29054-365	Stanislaus Valsler	00256-19905-YG		40.50		58916-61837-QH		
ACY-56225-839	Kynthia Berick	47386-50743-FG		77.63		52798-46508-HP		
ADP-04506-084	Hatty Dovydenas	61809-87758-LJ		189.75		83833-46106-ZC		
ADX-50674-975	Freda Hollows	58916-61837-QH	fhollowsc8@blogtalkradio.com	103.50		12743-00952-KO		
AEL-51169-725	Eveleen Bletsor	37430-29579-HD	ebletsor8l@vinaora.com	26.19		34704-83143-KS		
AEZ-13242-456	Marguerite Graves	62494-09113-RP		29.85		55871-61935-MF		
AGQ-06534-750	Kevan Grinsted	52798-46508-HP	kgrinstedj4@google.com.br	64.75		22305-40299-CY		
AHQ-40440-522	Martie Brimilcombe	83833-46106-ZC	mbrimilcombele@cnn.com	9.95		80463-43913-WZ		
AHV-66988-037	Christel Speak	12743-00952-KO		45.77				
AHY-20324-088	Nicky Ayris	63499-24884-PP	nayrisix@t-online.de	9.51				
AIA-98989-755	Sacha Bruun	34704-83143-KS	sbruunjt@blogtalkradio.com	2.99				
AII-52941-018	Lind Convers	55871-61935-MF	lconvers2v@twitter.com	24.30				

1	H	G	F		D	С	В	A
MATC	INDEX				ole	Orders Tab		
Sales	Email	Customer ID		S	Email	Customer ID	Customer Name	Order ID
		53864-36201-FG			ılmanl0@washington.edu	46296-42617-00 fsu	Fernando Sulman	AAQ-13644-699
		47386-50743-FG			enediktovichmv@ebay.com	53864-36201-FG tb	Tess Benediktovich	ABK-08091-531
		58916-61837-QH				00256-19905-YG	Stanislaus Valsler	ABO-29054-365
		52798-46508-HP				47386-50743-FG	Kynthia Berick	ACY-56225-839
		83833-46106-ZC				61809-87758-LJ	Hatty Dovydenas	ADP-04506-084
		12743-00952-KO			ollowsc8@blogtalkradio.com	58916-61837-QH fho	Freda Hollows	ADX-50674-975
	Ф	34704-83143-KS			letsor8l@vinaora.com	37430-29579-HD eb	Eveleen Bletsor	AEL-51169-725
	_	55871-61935-MF				62494-09113-RP	Marguerite Graves	AEZ-13242-456
		22305-40299-CY			rinstedj4@google.com.br	52798-46508-HP kg	Kevan Grinsted	AGQ-06534-750
		80463-43913-WZ			orimilcombele@cnn.com	83833-46106-ZC ml	Martie Brimilcombe	HQ-40440-522
						12743-00952-KO	Christel Speak	AHV-66988-037
	=MATCH(53864-36201-FG			yrisix@t-online.de	63499-24884-PP na	Nicky Ayris	AHY-20324-088
match_type])	MATCH(lookup_value, lookup_array,	Email			ruunjt@blogtalkradio.com	34704-83143-KS sb	Sacha Bruun	AIA-98989-755
	7				onyers2y@twitter.com	55871-61935-MF lcc	Lind Conyers	VJL-52941-018
					damidesco@bizjournals.com	23473-41001-CD aa	Agnes Adamides	UV-18231-334
					neryn31@mtv.com	22305-40299-CY tsh	Terry Sheryn	KV-93064-769
					yvill6b@naver.com	57145-03803-ZL nw	Noak Wyvill	ALA-62598-016
					eaver1@ucoz.com	84045-66771-SL cke	Charlean Keave	ALM-80762-974
					enysi1@is.gd	24689-69376-XX cd	Charmane Denys	ALP-37623-536
						80463-43913-WZ	Malynda Purbrick	ALR-62963-723

Order ID	Customer Name	Customer ID	Email	Sales
AAQ-13644-699	Fernando Sulman	46296-42617-00	fsulmanl0@washington.edu	35.80
ABK-08091-531	Tess Benediktovich	53864-36201-FG	tbenediktovichmv@ebay.com	47.55
ABO-29054-365	Stanislaus Valsler	00256-19905-YG		40.50
ACY-56225-839	Kynthia Berick	47386-50743-FG		77.63
ADP-04506-084	Hatty Dovydenas	61809-87758-LJ		189.75
ADX-50674-975	Freda Hollows	58916-61837-QF	fhollowsc8@blogtalkradio.com	103.50
AEL-51169-725	Eveleen Bletsor	37430-29579-HD	ebletsor8l@vinaora.com	26.19
AEZ-13242-456	Marguerite Graves	62494-09113-RP		29.85
AGQ-06534-750	Kevan Grinsted	52798-46508-HP	kgrinstedj4@google.com.br	64.75
AHQ-40440-522	Martie Brimilcombe	83833-46106-ZC	mbrimilcombele@cnn.com	9.95
AHV-66988-037	Christel Speak	12743-00952-KO		45.77
AHY-20324-088	Nicky Ayris	63499-24884-PP	nayrisix@t-online.de	9.51
AIA-98989-755	Sacha Bruun	34704-83143-KS	sbruunjt@blogtalkradio.com	2.99
AJL-52941-018	Lind Conyers	55871-61935-MF	lconyers2y@twitter.com	24.30
AJV-18231-334	Agnes Adamides	23473-41001-CD	aadamidesco@bizjournals.com	41.17
AKV-93064-769	Terry Sheryn	22305-40299-CY	tsheryn31@mtv.com	7.77
ALA-62598-016	Noak Wyvill	57145-03803-ZL	nwyvill6b@naver.com	16.11
ALM-80762-974	Charlean Keave	84045-66771-SL	ckeaver1@ucoz.com	23.31
ALP-37623-536	Charmane Denys	24689-69376-XX	cdenysi1@is.gd	95.10
ALR-62963-723	Malynda Purbrick	80463-43913-WZ		8.06

	IIII	MATCH	
Customer ID	Email	Sales	Cust
53864-36201-FG			
47386-50743-FG			
58916-61837-QH			
52798-46508-HP			
83833-46106-ZC			
12743-00952-KO			
34704-83143-KS			
55871-61935-MF			
22305-40299-CY			
80463-43913-WZ			
53864-36201-FG	=MATCH(G15,C3:C23,0		
Email	MATCH(lookup_value, lookup_array		
	()1 - Le	ss than Fine	ds the I
		reater han	

Orders Table					
Order ID	Customer Name	Customer ID	Email	Sales	
AAQ-13644-699	Fernando Sulman	46296-42617-00	fsulmanl0@washington.edu	35.80	
ABK-08091-531	Tess Benediktovich	53864-36201-FG	tbenediktovichmv@ebay.com	47.55	
ABO-29054-365	Stanislaus Valsler	00256-19905-YG		40.50	
ACY-56225-839	Kynthia Berick	47386-50743-FG		77.63	
ADP-04506-084	Hatty Dovydenas	61809-87758-LJ		189.75	
ADX-50674-975	Freda Hollows	58916-61837-QH	fhollowsc8@blogtalkradio.com	103.50	
AEL-51169-725	Eveleen Bletsor	37430-29579-HD	ebletsor8l@vinaora.com	26.19	
AEZ-13242-456	Marguerite Graves	62494-09113-RP		29.85	
AGQ-06534-750	Kevan Grinsted	52798-46508-HP	kgrinstedj4@google.com.br	64.75	
AHQ-40440-522	Martie Brimilcombe	83833-46106-ZC	mbrimilcombele@cnn.com	9.95	
AHV-66988-037	Christel Speak	12743-00952-KO		45.77	
AHY-20324-088	Nicky Ayris	63499-24884-PP	nayrisix@t-online.de	9.51	
AIA-98989-755	Sacha Bruun	34704-83143-KS	sbruunjt@blogtalkradio.com	2.99	
AJL-52941-018	Lind Conyers	55871-61935-MI	lconyers2y@twitter.com	24.30	
AJV-18231-334	Agnes Adamides	23473-41001-CD	aadamidesco@bizjournals.com	41.17	
AKV-93064-769	Terry Sheryn	22305-40299-CY	tsheryn31@mtv.com	7.77	
ALA-62598-016	Noak Wyvill	57145-03803-ZL	nwvvill6b@naver.com	16.11	

	INDEX	MATC	Н
Customer ID	Email	Sales	Cus
53864-36201-FG			
47386-50743-FG			
58916-61837-QH			
52798-46508-HP			
83833-46106-ZC			
12743-00952-KO			
34704-83143-KS			
55871-61935-MF			
22305-40299-CY			
80463-43913-WZ			
53864-36201-FG		3	
Email	=MATCH(G16,A3:E3,		
	MATCH(lookup_value, lookup_array () 0 - Exa () -1 - Gru	than Fi	nds the la

Order ID	Customer Name	Customer ID	Email	Sales
AAQ-13644-69	9 Fernando Sulman	46296-42617-00	fsulmanl0@washington.edu	35.80
ABK-08091-531	Tess Benediktovich	53864-36201-FG	tbenediktovichmv@ebay.com	47.55
ABO-29054-365	5 Stanislaus Valsler	00256-19905-YG		40.50
ACY-56225-839	Kynthia Berick	47386-50743-FG		77.63
ADP-04506-084	Hatty Dovydenas	61809-87758-LJ		189.75
ADX-50674-975	Freda Hollows	58916-61837-QH	fhollowsc8@blogtalkradio.com	103.50
AEL-51169-725	Eveleen Bletsor	37430-29579-HD	ebletsor8l@vinaora.com	26.19
AEZ-13242-456	Marguerite Graves	62494-09113-RP		29.85
AGQ-06534-75	0 Kevan Grinsted	52798-46508-HP	kgrinstedj4@google.com.br	64.75
AHQ-40440-52	2 Martie Brimilcombe	83833-46106-ZC	mbrimilcombele@cnn.com	9.95
AHV-66988-03	7 Christel Speak	12743-00952-KO		45.77
AHY-20324-088	Nicky Ayris	63499-24884-PP	nayrisix@t-online.de	9.51
AIA-98989-755	Sacha Bruun	34704-83143-KS	sbruunjt@blogtalkradio.com	2.99
AJL-52941-018	Lind Conyers	55871-61935-MF	lconyers2y@twitter.com	24.30
AJV-18231-334	Agnes Adamides	23473-41001-CD	aadamidesco@bizjournals.com	41.17
AKV-93064-769	Terry Sheryn	22305-40299-CY	tsheryn31@mtv.com	7.77
ALA-62598-016	Noak Wyvill	57145-03803-ZL	nwyvill6b@naver.com	16.11
ALM-80762-97	4 Charlean Keave	84045-66771-SL	ckeaver1@ucoz.com	23.31
ALP-37623-536	Charmane Denys	24689-69376-XX	cdenysi1@is.gd	95.10
ALR-62963-723	Malynda Purbrick	80463-43913-WZ		8.06

Customer ID	Email	Sales	Cus
53864-36201-FG	2111011	Saics	- Cus
47386-50743-FG			
58916-61837-QH			
52798-46508-HP			
83833-46106-ZC			
12743-00952-KO			
34704-83143-KS			
55871-61935-MF			
22305-40299-CY			
80463-43913-WZ			
53864-36201-FG Email		3 4	
index =	INDEX(INDEX(array) Sw_num, [column_INDEX(reference, row_num, [column_INDE		

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AAQ-13644-699	Fernando Sulman	46296-42617-00	fsulmanl0@washington.edu	35.80
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AEL-51169-725	Eveleen Bletsor	37430-29579-HD	ebletsor8l@vinaora.com	26.19
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ALA-62598-016	Noak Wyvill	57145-03803-ZL	nwyvill6b@naver.com	16.11
ALM-80762-974	Charlean Keave	84045-66771-SL	ckeaver1@ucoz.com	23.31
ALP-37623-536	Charmane Denys	24689-69376-XX	cdenysi1@is.gd	95.10
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AHY-20324-088	Nicky Ayris	63499-24884-PP	nayrisix@t-online.de	9.51
AIA-98989-755	Sacha Bruun	34704-83143-KS	sbruunjt@blogtalkradio.com	2.99
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ALM-80762-974	Charlean Keave	84045-66771-SL	ckeaver1@ucoz.com	23.31
ALP-37623-536	Charmane Denys	24689-69376-XX	cdenysi1@is.gd	95.10
ALR-62963-723	Malynda Purbrick	80463-43913-WZ		8.06

Customer ID	Email	Sales	Cus
53864-36201-FG =INDE	X(\$A\$3:\$E\$23,MATCH	I(\$G\$4	
47386-50743-FG	MATCH	(lookup_value, loo	kup_arr
58916-61837-QH			
52798-46508-HP			
83833-46106-ZC	F /	0	
12743-00952-KO	-4 X	-5	
34704-83143-KS			
55871-61935-MF			
22305-40299-CY			
80463-43913-WZ			
E2964 26201 FC		2	
53864-36201-FG		3	
Sales		5	
index	4	7.55	

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AHQ-40440-52	2 Martie Brimilcombe	83833-46106-ZC	mbrimilcombele@cnn.com	9.95
AHV-66988-03	7 Christel Speak	12743-00952-KO		45.77
AHY-20324-08	8 Nicky Ayris	63499-24884-PP	nayrisix@t-online.de	9.51
AIA-98989-755	Sacha Bruun	34704-83143-KS	sbruunjt@blogtalkradio.com	2.99
AJL-52941-018	Lind Conyers	55871-61935-MI	lconyers2y@twitter.com	24.30
AJV-18231-334	Agnes Adamides	23473-41001-CD	aadamidesco@bizjournals.com	41.17
AKV-93064-76	9 Terry Sheryn	22305-40299-CY	tsheryn31@mtv.com	7.77
ALA-62598-016	5 Noak Wyvill	57145-03803-ZL	nwyvill6b@naver.com	16.11
ALM-80762-97	4 Charlean Keave	84045-66771-SL	ckeaver1@ucoz.com	23.31
ALP-37623-536	Charmane Denys	24689-69376-XX	cdenysi1@is.gd	95.10
ALR-62963-723	Malynda Purbrick	80463-43913-W		8.06

Customer ID	Email	Sales	Customer Name
53864-36201-FG	=INDEX(\$A\$3:\$E\$23,MATCH	1(\$G4, \$C\$3:\$	C\$23,0)
47386-50743-FG	MATCH	(lookup_value, loo	okup_array, [match_type]
58916-61837-QH			Q.
52798-46508-HP			
83833-46106-ZC			
12743-00952-KO			
34704-83143-KS			
55871-61935-MF			
22305-40299-CY			
30463-43913-WZ			
53864-36201-FG Sales		3 5	
ndex	4	7.55	



13-FG	Email EX(\$A\$3:\$E\$23,	M. duide	Sales	Customer Name	Order ID
13-FG	EX(\$A\$3:\$E\$23,I	MARCHICCA			
		MATCH(\$G4	,\$C\$3:\$C	\$23,0),MATCH(H\$3	
W				MATCH(lookup	_value, lookup_array,
37-QH					
)8-HP					
06-ZC					
52-KO					
13-KS					
S5-MF					
99-CY					
L3-WZ					
01-FG		3			
8		5			
		47.55			
	62-KO 13-KS 15-MF 19-CY 13-WZ	32-KO 13-KS 15-MF 19-CY 33-WZ	2-K0 33-K5 13-K5 19-CY 33-WZ 11-FG 3 5	22-K0 33-KS 33-KS 99-CY 33-WZ 201-FG 3 5	12-K0 13-K5 15-MF 19-CY 13-WZ 11-FG 3 5

