

Advanced Excel Formulas: Cheat Sheet

Every formula works on the 10-row sample sheet (Invoice A, Date B, Customer C, Region D, Product E, Qty F, Rate G, Amount H; data in rows 2–11). Versions from Microsoft Support, checked 16 Oct 2026.

Function	Formula	Result	Excel
XLOOKUP	=XLOOKUP("INV-106",A2:A11,H2:H11,"Not found")	22,000	2021+
INDEX + MATCH	=INDEX(H2:H11,MATCH("INV-106",A2:A11,0))	22,000	2016+
Two-way INDEX/MATCH	=INDEX(A2:H11,MATCH("INV-103",A2:A11,0),MATCH("Qty",A1:H1,0))	5	2016+
XMATCH (last)	=XMATCH("Monitor",E2:E11,0,-1)	10	2021+
SUMIFS	=SUMIFS(H2:H11,D2:D11,"North",E2:E11,"Laptop")	2,60,000	2016+
SUMIFS by dates	=SUMIFS(H2:H11,D2:D11,"North",B2:B11,">="&DATE(2026,4,1),B2:B11,"<="&DATE(2026,4,30))	1,68,500	2016+
COUNTIFS	=COUNTIFS(H2:H11,">=50000")	4	2016+
MAXIFS	=MAXIFS(H2:H11,D2:D11,"East")	28,500	2019+
AVERAGEIFS	=AVERAGEIFS(H2:H11,E2:E11,"Monitor")	40,333.33	2016+
SUMPRODUCT	=SUMPRODUCT((E2:E11="Laptop")*F2:F11*G2:G11)	3,12,000	2016+
IFS	=IFS(H2>=100000,"Large",H2>=25000,"Medium",TRUE,"Small")	Large	2019+
SWITCH	=SWITCH(D2,"North","N-01","South","S-01","East","E-01","West","W-01","Unknown")	N-01	2019+
IFERROR	=IFERROR(H2/F2,0)	52,000	2016+
FILTER	=FILTER(A2:H11,C2:C11="Sharma Traders","No sales")	INV-101, INV-104, INV-109	2021+
FILTER (2 conditions)	=FILTER(A2:H11,(D2:D11="North")*(H2:H11>=50000))	INV-101, INV-103, INV-109	2021+
UNIQUE + COUNTA	=COUNTA(UNIQUE(C2:C11))	5	2021+
SORT	=SORT(A2:H11,8,-1)	INV-109 first	2021+
SEQUENCE + DATE	=DATE(2026,3+SEQUENCE(12),1)	1-Apr-2026 to 1-Mar-2027	2021+
TEXTJOIN	=TEXTJOIN(", ",TRUE,UNIQUE(FILTER(C2:C11,D2:D11="North")))	Sharma Traders, Mehta Stores	2021+
TEXTSPLIT	=TEXTSPLIT(J2,"/") (J2 = NEFT/UTR12345/SHARMA TRADERS)	NEFT UTR12345 SHARMA TRADERS	2024 / 365
TEXTAFTER (last)	=TEXTAFTER(J2,"",-1)	SHARMA TRADERS	2024 / 365
EOMONTH	=EOMONTH(B5,0)	30-Apr-2026	2016+
EDATE	=EDATE(B5,1)	12-May-2026	2016+
NETWORKDAYS	=NETWORKDAYS(DATE(2026,4,1),DATE(2026,4,30))	22	2016+
TAKE + SORT	=TAKE(SORT(A2:H11,8,-1),3)	INV-109, INV-101, INV-103	2024 / 365
CHOOSECOLS	=CHOOSECOLS(A2:H11,1,3,8)	Invoice, Customer, Amount	2024 / 365
VSTACK	=VSTACK(April!A2:H8,May!A2:H4)	April + May in one list	2024 / 365
LET	=LET(amt,H2:H11,north,D2:D11="North",SUM(FILTER(amt,north)))	3,24,500	2021+
LAMBDA (named NETPRICE)	=LAMBDA(price,disc,price*(1-disc)) then =NETPRICE(G2,10%)	46,800	2024 / 365
GROUPBY	=GROUPBY(D2:D11,H2:H11,SUM)	E 50,500 N 3,24,500 S 65,500 W 53,000 Total 4,93,500	365 only

Errors

#N/A: lookup key not found (check spaces, numbers stored as text) · #NAME?: function missing in your version · #SPILL!: clear the cells below · #CALC!: FILTER found nothing, add the third argument · #REF!: deleted reference.