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VLOOKUP is a spreadsheet function used to search for a specific value in the first column of a table and return a corresponding value from another column. You can use it to find prices, addresses, or any other data related to the lookup value. It supports exact matches, approximate matches, and the use of wildcards for flexible searches.

SYNTAX

fx | **=VLOOKUP**(lookup_value,table_array,column_index_num,[range_lookup])

- **lookup_value:** The value to look for in the first column of a table.
- **table_array:** The table from which to retrieve a value.
- **column_index_num:** The column in the table from which to retrieve a value.
- **[range_lookup]:** *Optional*. TRUE = approximate match (default). FALSE = exact match.

EXAMPLES

1. Exact Match

Quantity	Discount
0	0%
10	5%
25	10%
50	20%
100	25%

Discount

=VLOOKUP(10,B3:C7,2,0)

Result: 5%

VLOOKUP finds an exact match for a given quantity in a table. It then retrieves the corresponding discount from the table. The formula uses the lookup value (quantity), the table range, and the column index to return the desired result.

2. Approximate Match

Quantity	Discount
0	0%
10	5%
25	10%
50	20%
100	25%

Discount

=VLOOKUP(28,B3:C7,2,1)

Result: 10%

VLOOKUP finds the closest match for a given quantity in a table. It then retrieves the corresponding discount. The formula uses the lookup value (quantity), the table range, the column index, and the approximate match flag (1) to return the result.

3. Wildcard Match

Product		Price	
Laptop	50,000		
Mobile	15,000		
Headphones	3,000		
Tablet	20,000		
Earphones	1,500		

Result: 3,000

VLOOKUP finds the first match for a product name containing the word "phone". The wildcard "*" matches any number of characters before or after "phone". The formula returns the price corresponding to that product.