XMATCH CHEATSHEET

FMWC

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1. Function Name

XMATCH

2. Purpose

The XMATCH function searches for a specified value in a range or array and returns the relative position of the item found.

3. Function Name

fx XMATCH (lookup_value, lookup_array, [match_mode], [search_mode])

4. Arguments

lookup_value

The value you want to search for.

lookup_array

The range or array where the lookup value will be searched.

[match_mode] (optional)

Specifies the type of match. Default is 0 (exact match).

- 0 or omitted: Exact match.
- -1: Exact match or next smallest item.
- 1: Exact match or next largest item.

[search_mode] (optional)

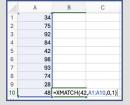
Specifies the direction of the search. Default is 1 (search from top to bottom or left to right).

- 1 or omitted: Search from top to bottom or left to right.
- -1: Search from bottom to top or right to left.

5. **Return Value**

The position of the matched item relative to the lookup array. Returns #N/A if no match is found.

6. Example



Searches for the value 42 in cells A1:A10 using an exact match (match_mode = 0) and searches from top to bottom (search_mode = 1).

The value returned is 5 indicating the row in which the number is located.

7. Notes

- XMATCH is a newer version of the MATCH function in Excel, introduced in Excel 2019 and Excel for Microsoft 365.
- It offers more flexibility than the MATCH function by allowing for approximate matching and specifying the search direction.
- XMATCH can handle both vertical and horizontal lookup arrays.

8. Tips

- Use XMATCH for advanced lookup scenarios where you need more control over the matching criteria and search direction.
- Experiment with different match modes and search modes to tailor the function to your specific requirements.
- Combine XMATCH with other functions like INDEX and IFERROR for more powerful lookup formulas.