

XMATCH CHEATSHEET



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	<div><div><div>fx</div></div><div>XMATCH (lookup_value, lookup_array, [match_mode], [search_mode])</div></div>																																												
4. Arguments	<div><div><div>lookup_value</div><div>The value you want to search for.</div></div><div><div>lookup_array</div><div>The range or array where the lookup value will be searched.</div></div><div><div><div>[match_mode]</div><div>(optional)</div></div><div>Specifies the type of match. Default is 0 (exact match).</div><div><div><div><div>• 0 or omitted: Exact match.</div><div>• -1: Exact match or next smallest item.</div><div>• 1: Exact match or next largest item.</div></div></div></div><div><div><div>[search_mode]</div><div>(optional)</div></div><div>Specifies the direction of the search. Default is 1 (search from top to bottom or left to right).</div><div><div><div><div>• 1 or omitted: Search from top to bottom or left to right.</div><div>• -1: Search from bottom to top or right to left.</div></div></div></div></div></div></div>																																												
5. Return Value	The position of the matched item relative to the lookup array. Returns #N/A if no match is found.																																												
6. Example	<div><div><div><table><tr><th></th><th>A</th><th>B</th><th>C</th></tr><tr><td>1</td><td>34</td><td></td><td></td></tr><tr><td>2</td><td>75</td><td></td><td></td></tr><tr><td>3</td><td>92</td><td></td><td></td></tr><tr><td>4</td><td>84</td><td></td><td></td></tr><tr><td>5</td><td>42</td><td></td><td></td></tr><tr><td>6</td><td>98</td><td></td><td></td></tr><tr><td>7</td><td>93</td><td></td><td></td></tr><tr><td>8</td><td>74</td><td></td><td></td></tr><tr><td>9</td><td>28</td><td></td><td></td></tr><tr><td>10</td><td>48</td><td></td><td></td></tr></table></div><div>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).</div><div>The value returned is 5 indicating the row in which the number is located.</div></div></div>		A	B	C	1	34			2	75			3	92			4	84			5	42			6	98			7	93			8	74			9	28			10	48		
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7. Notes	<div><div><div>• XMATCH is a newer version of the MATCH function in Excel, introduced in Excel 2019 and Excel for Microsoft 365.</div><div>• It offers more flexibility than the MATCH function by allowing for approximate matching and specifying the search direction.</div><div>• XMATCH can handle both vertical and horizontal lookup arrays.</div></div></div>																																												
8. Tips	<div><div><div>• Use XMATCH for advanced lookup scenarios where you need more control over the matching criteria and search direction.</div><div>• Experiment with different match modes and search modes to tailor the function to your specific requirements.</div><div>• Combine XMATCH with other functions like INDEX and IFERROR for more powerful lookup formulas.</div></div></div>																																												