#### SUMIF

[Syntax](Syntax.docx):

SUMIF ( cell-range , selection-criteria [ , sum-range ] )

Description: Applies [selection](selection.docx) criteria on the values in one range of cells and sums the values of the cells in a corresponding range.

Arguments:

|  |  |  |
| --- | --- | --- |
| Name | Type | Description |
| cell-range | [reference](reference.docx) | Designates the range of cells to be inspected. |
| selection-criteria | number, expression, [reference](reference.docx), [text](text.docx) | Defines which cells will be counted. In the case of text, selection-criteria can consist of any comparison operator followed by the operand against which each cell's value is to be compared. selection-criteria can include one or more wildcard characters, question mark (?) and asterisk (\*). A question mark matches any single character; an asterisk matches any sequence of characters. To search for a question mark, asterisk, or tilde character, prefix that character with a tilde (~). |
| sum-range | [reference](reference.docx) | If present, sum-range designates the cells whose values are summed. In this case, sum-range does not have to have the same size and shape as cell-range. The actual cells that are added are determined by using the top, left [cell](cell.docx) in sum-range as the beginning [cell](cell.docx), and then including cells that correspond in size and shape to cell-range. If omitted, cell-range also designates the cells whose values are summed. |

Return Type and Value: number – The sum of the cells corresponding to those selected.

[Example: Given that A1, B1, C1, and D1, respectively, contain the values 3, 10, 7, and 10

SUMIF(A1:D1,"=10") results in 20
SUMIF(A1:D1,">5") results in 27
SUMIF(A1:D1,"<>10") results in 10

Given that A2, B2, C2, and D2, respectively, contain the values apples, melons, 10, and 15
SUMIF(A2:B2,"\*es",C2:D2) results in 10

end example]