**Test your knowledge on data calculations**

1. What is the correct spreadsheet formula for multiplying 50 and 233?

50\*233

**=50\*233**

50x233

=50x233

**Correct**

=50\*233 is the correct formula for multiplying 50 and 233. Formulas begin with an equal sign (=). This is followed by the values to be computed. An asterisk (\*) is the multiplication operator in spreadsheets.

1. The following is a selection of a spreadsheet:

|  |  |  |
| --- | --- | --- |
|  | A | B |
| 1 | **Expense** | **Amount** |
| 2 | Rent | $680.00 |
| 3 | Healthcare | $101.00 |
| 4 | Groceries | $185.00 |
| 5 | Clothing | $41.00 |
| 6 | Transportation | $22.00 |
| 7 | Mobile phone | $48.00 |
| 8 | Dining out | $79.00 |
| 9 | Car insurance | $65.00 |
| 10 | Dog walker | $40.00 |
| 11 | Gym membership | $19.00 |
| 12 | Manicure | $23.00 |

You are trying to determine what percentage of your monthly income is spent on big-ticket items, such as rent and groceries. To add together only the values from Column B that cost more than $150, what is the correct syntax?

=SUMIF(B2:B12,<150)

=SUMIF(B2:B12,>150)

**=SUMIF(B2:B12,">150")**

=SUMIF(B2:B12,"<150")

**Correct**

To add together only the values from Column B that cost more than $150, the correct syntax is =SUMIF(B2:B12,">150"). B2:B12 is the range, and more than 150 (>150) is the criteria.

### 3.A data analyst is working with a spreadsheet from a cosmetics company.

You may click the link to create a copy of the dataset: [Cosmetics Inc](https://docs.google.com/spreadsheets/d/1HhUqzfrpVb5Z2_YPbOFXXBCVb266W6J-2V4S5JLEKNo/copy). Or, if you don’t have a Google account, download the template directly from the attachment below.

**Cosmetics Inc. - Sheet1**CSV File

[Download file](https://d3c33hcgiwev3.cloudfront.net/jcRrkIfHRYWEa5CHx8WFyQ_d7b4b759939d4be0af8cf568fb078bac_Cosmetics-Inc.---Sheet1.csv?Expires=1633737600&Signature=OkilREeennRorAIbeyX9P7g7Oc7oPvk-Q~X93njvN9xkczkoiUWwgFhD6YSnTdWCOQ254IOXeLEUuI-krbtsQYg2hQUvHzBa7-jmjvwNSF2Ldi6IAkwVeU3Ur1GaGGedQWQcckmhkQ-3rgmoogjhulDyC1Kr~qMbBxpS3kMSgC8_&Key-Pair-Id=APKAJLTNE6QMUY6HBC5A" \t "_blank)

Which of the following is an example of an array in this spreadsheet?

Cells D7 and D14

**The values in cells B2 through B31**

All cells with values greater than 100

All cells with number values

**Correct**

The values in cells B2 through B31 together are an example of an array. An array is a collection of values in spreadsheet cells.