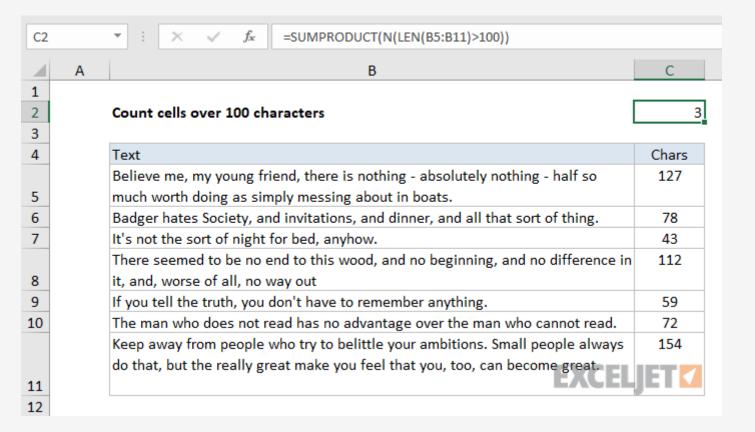# Count cells over 100 characters

Generic formula

```
= SUMPRODUCT(N(LEN(range) > 100))
```

Summary

To count cells that contain more than a certain number of characters, you can use a formula based on the SUMPRODUCT, LEN, and N functions. In the example shown, the formula in C2 is:

```
= SUMPRODUCT(N(LEN(B5:B11) > 100))
```

Explanation

Working from the inside out, the LEN function runs on the range B5:B11. Because we give LEN multiple values, it returns multiple results in an array like this:

```
{127;78;43;112;59;72;154}
```

This array is evaluated against the logical expression >100. This results in an array of TRUE FALSE values:

```
{TRUE;FALSE;FALSE;TRUE;FALSE;FALSE;TRUE}
```

Each TRUE corresponds to a cell that contains more than 100 characters. The N function converts these values to ones and zeros:

```
{1;0;0;1;0;0;1}
```

This array is returned directly to the SUMPRODUCT function, which returns the sum of numbers in the array:

```
= SUMPRODUCT({1;0;0;1;0;0;1}) // returns 3
```

The final result is 3.