

# How do I use the SQRTPI function in Google Sheets?

Authored by  
**stats writer**

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## RECOMMENDED CITATION

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PSYCHOLOGICAL SCALES. Retrieved from <https://scales.arabpsychology.com/?p=161482>

The SQRTPI function in Google Sheets is a mathematical function that calculates the square root of a number multiplied by the constant pi ( $\pi$ ). This function can be used to find the square root of a circle's area, as well as in various other calculations involving pi. To use the SQRTPI function, simply type "`=SQRTPI(number)`" into a cell in Google Sheets, replacing "number" with the value you want to find the square root of. The result will be displayed in the cell. This function can be useful for complex mathematical calculations and can save time and effort in manual calculations.

## SQRTPI

Returns the positive square root of the product of Pi and the given positive number.

### Sample Usage

`SQRTPI(9)`

`SQRTPI(A2)`

### Syntax

`SQRTPI(value)`

`value` - The number which will be multiplied by Pi and have the product's square root returned

`value` must be positive; if it is negative, `SQRTPI` will return the `#NUM!` error.

### Notes

To find the negative root of `value * Pi`, simply multiply the result of the `SQRTPI` function call by `-1`.

`SQRTPI` is used for certain types of analysis or as a component to other functions (e.g. an estimation of the Gamma function) and is rarely used by itself.

### See Also

`SQRT`: Returns the positive square root of a positive number.

`POWER`: Returns a number raised to a power.

`LOG10`: Returns the logarithm of a number, base 10.

`LOG`: Returns the logarithm of a number given a base.

**LN**: Returns the logarithm of a number, base e (Euler's number).

**GAMMALN**: Returns the logarithm of a specified Gamma function, base e (Euler's number).

**EXP**: Returns Euler's number, e (~2.718) raised to a power.

## Examples

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