


# Root

Block Group:	Math Operations
Icon:	

The Root block returns the  $n$ th root of a number. The **input** property must be a non-negative number.

For information on using dataflow blocks, see [Dataflow](#).

For accepted and excluded arguments of Math Operations blocks, see [Math Operations](#).

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## Input/Output Properties

The following properties of the Root block can take input and give output.

- input (*number*)
- root (*number*)

**input** specifies the value to take the root of.

**root** specifies the root to use. For example, a value of 3 calculates a cubic root.

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## Output Property

The following property of the Root block can give output but cannot take input.

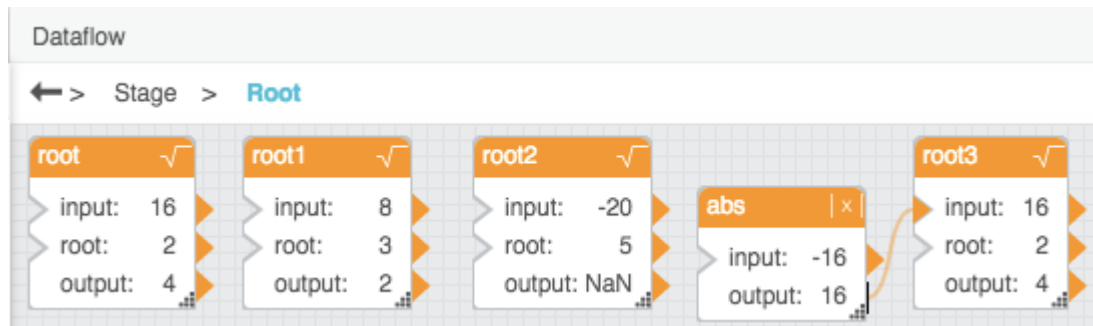
- output (*number*)

**output** returns the result of the calculation.

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## Examples

The following image shows four examples of the Root block.



[Previous: Power](#)

[Next: Scale](#)

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