

# JavaScript Number Reference

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## JavaScript Numbers

JavaScript has only one type of number.

Numbers can be written with, or without, decimals:

### Example

```
var x = 3.14;      // A number with decimals
var y = 34;        // A number without decimals
```

Extra large or extra small numbers can be written with scientific (exponent) notation:

### Example

```
var x = 123e5;      // 12300000
var y = 123e-5;     // 0.00123
```

For a tutorial about JavaScript numbers, read our JavaScript Number Tutorial ([/js/js\\_numbers.asp](#)).

## Number Properties

Property	Description
constructor ( <a href="#">jsref_constructor_number.asp</a> )	Returns the function that created JavaScript's Number prototype
MAX_VALUE ( <a href="#">jsref_max_value.asp</a> )	Returns the largest number possible in JavaScript
MIN_VALUE ( <a href="#">jsref_min_value.asp</a> )	Returns the smallest number possible in JavaScript
NEGATIVE_INFINITY ( <a href="#">jsref_negative_infinity.asp</a> )	Represents negative infinity (returned on overflow)

NaN ( <a href="#">jsref_number_nan.asp</a> )	Represents a "Not-a-Number" value
POSITIVE_INFINITY ( <a href="#">jsref_positive_infinity.asp</a> )	Represents infinity (returned on overflow)
prototype ( <a href="#">jsref_prototype_num.asp</a> )	Allows you to add properties and methods to an object

## Number Methods

Method	Description
toExponential(x) ( <a href="#">jsref_toexponential.asp</a> )	Converts a number into an exponential notation
toFixed(x) ( <a href="#">jsref_tofixed.asp</a> )	Formats a number with x numbers of digits after the decimal point
toPrecision(x) ( <a href="#">jsref_toprecision.asp</a> )	Formats a number to x length
toString() ( <a href="#">jsref_tostring_number.asp</a> )	Converts a number to a string
valueOf() ( <a href="#">jsref_valueof_number.asp</a> )	Returns the primitive value of a number

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