JavaScript Number Reference

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.

Number Properties

Property	Description
constructor	Returns the function that created JavaScript's Number prototype
MAX_VALUE	Returns the largest number possible in JavaScript
MIN_VALUE	Returns the smallest number possible in JavaScript
NEGATIVE_INFINITY	Represents negative infinity (returned on overflow)
NaN	Represents a "Not-a-Number" value
POSITIVE_INFINITY	Represents infinity (returned on overflow)
prototype	Allows you to add properties and methods to an object

Number Methods

Method	Description
toExponential(x)	Converts a number into an exponential notation
toFixed(x)	Formats a number with x numbers of digits after the decimal point
toPrecision(x)	Formats a number to x length
toString()	Converts a number to a string
valueOf()	Returns the primitive value of a number