JavaScript Arithmetic

- description : JavaScript Arithmetic
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Source of the article

[JavaScript Arithmetic](#)

JavaScript Arithmetic Operators

(Arithmetic Operators)   (   )   .

Operator	Description
+	adddtion( )
-	subtraction( )
*	Multiplication( )
**	Exponentiation( )
/	Division( )
%	Modulus(Division Remainder)
++	Invcrement ( )
--	Decrement ( )

(+=)   .

Arithmetic Operations

.

.

```
var x = 100 + 50;
```

.

```
var x = a + b;
```

(expressions)   .

```
var x = (100 + 50) * a;
```

Operators and Operands

(operands)   .

.

Operand ( )	Operator ( )	Operand ( )
100	+	50

Adding

(addition)   (+)   .

```
var x = 5;
var y = 2;
var z = x + y;
```

Subtracting

(subtraction)   (-)   .

```
var x = 5;
var y = 2;
var z = x - y;
```

Multiplying

(Multiplication) (*) .

```
var x = 5;
var y = 2;
var z = x * y;
```

Dividing

(division) (/) .

```
var x = 5;
var y = 2;
var z = x / y;
```

Remainder

(modulus) (%) .

```
var x  = 5;
var y = 2;
var z = x % y;
```

, ** (quotient)** ** (remainder)** .

.

Incrementing

(increment) (++) .

```
var x = 5;
x++;
var z = z;
```

Decrementing

(decrement) .

```
var x = 5;
x--;
var z = x;
```

Exponentiation

(Exponentiation) (**) .

```
var x = 5;
var z = x **2;      // result is 25,   z = 5 **2 = 5 X 5
```

x ** y Math.pow(x, y) .

```
\\
var x = 5;
var z = Math.pow(x, 2);   // result is 25
```

Operator Precedence

.

```
var x = 100 + 50 * 3;      // x = 250
```

150 * 3   ?   100 + 150   ?

?

,   .

(*)   (/)   (+)   (-)   .

(   )   .

```
var x = (100 + 50) * 3;
```

,   .

(:   )   ,   .

```
var x = (100 + 50) - 3;
```

JavaScript Operator Precedence Values

,, Javascript, Arithmetic