JavaScript Operator Precedence Values

Pale red entries indicates ECMAScript 2015 (ES6) or higher.

|  |  |  |  |
| --- | --- | --- | --- |
| **Value** | **Operator** | **Description** | **Example** |
| 20 | ( ) | Expression grouping | (3 + 4) |
|  |  |  |  |
| 19 | . | Member | person.name |
| 19 | [] | Member | person["name"] |
| 19 | () | Function call | myFunction() |
| 19 | new | Create | new Date() |
|  |  |  |  |
| 17 | ++ | Postfix Increment | i++ |
| 17 | -- | Postfix Decrement | i-- |
|  |  |  |  |
| 16 | ++ | Prefix Increment | ++i |
| 16 | -- | Prefix Decrement | --i |
| 16 | ! | Logical not | !(x==y) |
| 16 | typeof | Type | typeof x |
|  |  |  |  |
| 15 | \*\* | Exponentiation (ES2016) | 10 \*\* 2 |
|  |  |  |  |
| 14 | \* | Multiplication | 10 \* 5 |
| 14 | / | Division | 10 / 5 |
| 14 | % | Division Remainder | 10 % 5 |
|  |  |  |  |
| 13 | + | Addition | 10 + 5 |
| 13 | - | Subtraction | 10 - 5 |
|  |  |  |  |
| 12 | << | Shift left | x << 2 |
| 12 | >> | Shift right | x >> 2 |
| 12 | >>> | Shift right (unsigned) | x >>> 2 |
|  |  |  |  |
| 11 | < | Less than | x < y |
| 11 | <= | Less than or equal | x <= y |
| 11 | > | Greater than | x > y |
| 11 | >= | Greater than or equal | x >= y |
| 11 | in | Property in Object | "PI" in Math |
| 11 | instanceof | Instance of Object | instanceof Array |
|  |  |  |  |
| 10 | == | Equal | x == y |
| 10 | === | Strict equal | x === y |
| 10 | != | Unequal | x != y |
| 10 | !== | Strict unequal | x !== y |
|  |  |  |  |
| 9 | & | Bitwise AND | x & y |
| 8 | ^ | Bitwise XOR | x ^ y |
| 7 | | | Bitwise OR | x | y |
| 6 | && | Logical AND | x && y |
| 5 | || | Logical OR | x || y |
| 4 | ? : | Condition | ? "Yes" : "No" |
|  |  |  |  |
| 3 | += | Assignment | x += y |
| 3 | /= | Assignment | x /= y |
| 3 | -= | Assignment | x -= y |
| 3 | \*= | Assignment | x \*= y |
| 3 | %= | Assignment | x %= y |
| 3 | <<= | Assignment | x <<= y |
| 3 | >>= | Assignment | x >>= y |
| 3 | >>>= | Assignment | x >>>= y |
| 3 | &= | Assignment | x &= y |
| 3 | ^= | Assignment | x ^= y |
| 3 | |= | Assignment | x |= y |
|  |  |  |  |
| 2 | yield | Pause Function | yield x |
| 1 | , | Comma | 5 , 6 |