int()

Converts a `Boolean`, `String`, or decimal `Number` to an integer.

`int()` converts values to integers. Integers are positive or negative numbers without decimals. If the original value has decimals, as in -34.56, they're removed to produce an integer such as -34.

The parameter, `n`, is the value to convert. If `n` is a Boolean, as in `int(false)` or `int(true)`, then the number 0 (`false`) or 1 (`true`) will be returned. If `n` is a string or number, as in `int('45')` or `int(67.89)`, then an integer will be returned. If an array is passed, as in `int([12.34, 56.78])`, then an array of integers will be returned.

Note: If a value can't be converted to a number, as in `int('giraffe')`, then the value `NaN` (not a number) will be returned.

Examples

false : 0

```
function setup() {
  createCanvas(100, 100);

  background(200);

  // Create a Boolean variable.
  let original = false;

  // Convert the Boolean to an integer.
  let converted = int(original);

  // Style the text.
  textAlign(CENTER, CENTER);
  textSize(16);

  // Display the original and converted values.
  text(`${original} : ${converted}`, 50, 50);

  describe('The text "false : 0" written in black on a gray
background.');
}
```

```
function setup() {
  createCanvas(100, 100);

  background(200);

  // Create a string variable.
  let original = '12.34';

  // Convert the string to an integer.
  let converted = int(original);

  // Style the text.
  textAlign(CENTER, CENTER);
  textSize(14);

  // Display the original and converted values.
  text(`${original} ≈ ${converted}`, 50, 50);

  describe('The text "12.34 ≈ 12" written in black on a gray
background.');
}
```

```
function setup() {
  createCanvas(100, 100);

  background(200);

  // Create a decimal number variable.
  let original = 12.34;

  // Convert the decimal number to an integer.
  let converted = int(original);

  // Style the text.
  textAlign(CENTER, CENTER);
  textSize(14);

  // Display the original and converted values.
  text(`${original} ≈ ${converted}`, 50, 50);

  describe('The text "12.34 ≈ 12" written in black on a gray
background.');
}
```

```
function setup() {
  createCanvas(100, 100);

  background(200);

  // Create an array of strings.
  let original = ['60', '30', '15'];

  // Convert the strings to integers.
  let diameters = int(original);

  for (let d of diameters) {
    // Draw a circle.
    circle(50, 50, d);
  }

  describe('Three white, concentric circles on a gray
background.');
}
```

Syntax

```
int(n)
```

```
int(ns)
```

Parameters

n	String|Boolean|Number: value to convert.
ns	Array: values to convert.

Returns

Number: converted number.

This page is generated from the comments in src/utilities/conversion.js . Please feel free to edit it and submit a pull request!

Related References

boolean
Converts a String or Number to a Boolean.

byte
Converts a Boolean, String, or Number to its byte value.

char
Converts a Number or String to a single-character String.

float
Converts a String to a floating point (decimal) Number.