

getNum()

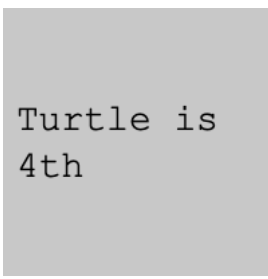
Return an attribute's value as a **Number**.

The first parameter, **name**, is a string with the name of the attribute being checked. For example, calling `myXML.getNum('id')` returns the element's `id` attribute as a number.

The second parameter, **defaultValue**, is optional. If a number is passed, as in `myXML.getNum('id', -1)`, it will be returned if the attribute doesn't exist or can't be converted to a number.

Note: Use `myXML.getString()` or `myXML.getNum()` to return an attribute's value.

Examples



```
let myXML;

// Load the XML and create a p5.XML object.
function preload() {
  myXML = loadXML('/assets/animals.xml');
}

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

  background(200);

  // Get the first reptile child element.
  let reptile = myXML.getChild('reptile');

  // Get the reptile's content.
  let content = reptile.getContent();

  // Get the reptile's ID.
  let id = reptile.getNum('id');

  // Style the text.
  textAlign(LEFT, CENTER);
  textFont('Courier New');
  textSize(14);

  // Display the ID attribute.
  text(`${content} is ${id + 1}th`, 5, 50, 90);

  describe(`The text "${content} is ${id + 1}th" written in
black on a gray background.`);
```



```
let myXML;

// Load the XML and create a p5.XML object.
function preload() {
  myXML = loadXML('/assets/animals.xml');
}

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

  background(200);

  // Get the first reptile child element.
  let reptile = myXML.getChild('reptile');

  // Get the reptile's content.
  let content = reptile.getContent();

  // Get the reptile's size.
  let weight = reptile.getNum('weight', 135);

  // Style the text.
  textAlign(LEFT, CENTER);
  textFont('Courier New');
  textSize(14);

  // Display the ID attribute.
  text(`${content} is ${weight}kg`, 5, 50, 90);

  describe(
    `The text "${content} is ${weight}kg" written in black on
a gray background.`
```

Syntax

```
getNum(name, [defaultValue])
```

Parameters

- name** String: name of the attribute to be checked.
- defaultValue** Number: value to return if the attribute doesn't exist.

Returns

Number: attribute value as a number.

This page is generated from the comments in [src/io/p5.XML.js](#). Please feel free to edit it and submit a pull request!

Related References

addChild Adds a new child element and returns a reference to it.	getAttributeCount Returns the number of attributes the element has.	getChild Returns the first matching child element as a new p5.XML object.	getChildren Returns an array with the element's child elements as new p5.XML objects.
--	---	---	---

p5.js	Resources Reference Tutorials Examples Contribute Community About Start Coding Donate	Information Download Contact Copyright Privacy Policy Terms of Use	Socials GitHub ↗ Instagram ↗ X ↗ YouTube ↗ Discord ↗ Forum ↗
-------	---	---	--

