

# abs()

Calculates the absolute value of a number.

A number's absolute value is its distance from zero on the number line. -5 and 5 are both five units away from zero, so calling `abs(-5)` and `abs(5)` both return 5. The absolute value of a number is always positive.

## Examples



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

  describe('A gray square with a vertical black line that divides it in half. A white rectangle gets taller when the user moves the mouse away from the line.');
```

```
function draw() {
  background(200);

  // Divide the canvas.
  line(50, 0, 50, 100);

  // Calculate the mouse's distance from the middle.
  let h = abs(mouseX - 50);

  // Draw a rectangle based on the mouse's distance
  // from the middle.
  rect(0, 100 - h, 100, h);
}
```

## Syntax

```
abs(n)
```

## Parameters

n      Number: number to compute.

## Returns

Number: absolute value of given number.

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

## Related References

<b>abs</b> Calculates the absolute value of a number.	<b>ceil</b> Calculates the closest integer value that is greater than or equal to a number.	<b>constrain</b> Constrains a number between a minimum and maximum value.	<b>dist</b> Calculates the distance between two points.
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