

# JavaScript Math functions



# Hey Everyone 🙌

In this **Post**, we will show you some super **useful Math functions** which **every Javascript developer** must know.

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## Math.abs

Return the absolute value of a number.

```
console.log(Math.abs(-5.2));  
// Expected Output : 5.2
```

```
console.log(Math.abs(5.200));  
// Expected Output : 5.2
```

## Math.pow

Returns a number raised to a certain power.

```
console.log(Math.pow(5, 2));  
// Expected Output : 25
```

```
console.log(Math.pow(-4, -2));  
// Expected Output : 0.4488559693
```

## Math.max

Returns the number with the highest value.

```
console.log(Math.max(12, 4, 5, 9, 0, -3));  
// Expected Output : 12  
  
console.log(Math.max(0.456, 135, 500, -5));  
// Expected Output : 500
```

## Math.min

Returns the number with the lowest value.

```
console.log(Math.min(12, 4, 5, 9, 0, -3));  
// Expected Output : -3  
  
console.log(Math.min(0.456, 135, 500, -5));  
// Expected Output : -5
```

## Math.ceil

Rounds a number up to the next largest integer.

```
console.log(Math.ceil(4.9));  
// Expected Output : 5
```

```
console.log(Math.ceil(87.1));  
// Expected Output : 88
```

## Math.floor

Rounds down a number to the next smallest integer.

```
console.log(Math.floor(38.8));  
// Expected Output : 38
```

```
console.log(Math.floor(-0.456));  
// Expected Output : -1
```

## Math.round

Returns the number rounded to the nearest integer.

```
console.log(Math.round(38.8));  
// Expected Output : 39  
  
console.log(Math.round(10.49));  
// Expected Output : 10
```

## Math.trunc

Returns the integer part of a number.

```
console.log(Math.trunc("420.56"));  
// Expected Output : 420  
  
console.log(Math.trunc(-50.456));  
// Expected Output : -50
```

## Math.sqrt

Returns the square root of a specified number.

```
console.log(Math.sqrt(4));  
// Expected Output : 2  
  
console.log(Math.sqrt(144.64));  
// Expected Output : 12.02663710269
```

## Math.cbrt

Returns the cube root of a specified number.

```
console.log(Math.cbrt(8));  
// Expected Output : 2  
  
console.log(Math.cbrt(64.144));  
// Expected Output : 4.00299775280
```

# Other Methods

## **Math.random()**

- returns a floating-point, pseudo-random number between 0 and 1.

## **Math.log()**

- returns the natural logarithm (base e) of a number.

## **Math.exp()**

- returns e raised to given power.

## **Math.sign()**

- Returns the sign of a number, if number positive return 1 else 0.

If you have any **queries** then let me know in the **comment box**.

# THANKS FOR YOUR ATTENTION



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