Trim

```
let greeting = '    leave me alone plz     ';

greeting.trim() // 'leave me alone plz'
```

indexOf

```
let tvShow = 'catdog';

tvShow.indexOf('cat'); // 0
tvShow.indexOf('dog'); // 3
tvShow.indexOf('z'); // -1 (not found)
```

slice

```
let str = 'supercalifragilisticexpialidocious'

str.slice(0,5); //'super'

str.slice(5); // 'califragilisticexpialidocious'
```

replace

```
let annoyingLaugh = 'teehee so funny! teehee!';

annoyingLaugh.replace('teehee', 'haha') // 'haha so funny! teehee!'
//Notice that it only replaces the first instance
```

STRING ESCAPES

- \n - newline
- \' - single quote
- \" - double quote
- \\ - backslash

TEMPLATE LITERALS

```
let item = 'cucumbers';
let price = 1.99;
let quantity = 4;

`You bought ${quantity} ${item}, total price: $${price*quantity}`;
//"You bought 4 cucumbers, total price: $7.96"
```

NULL & UNDEFINED

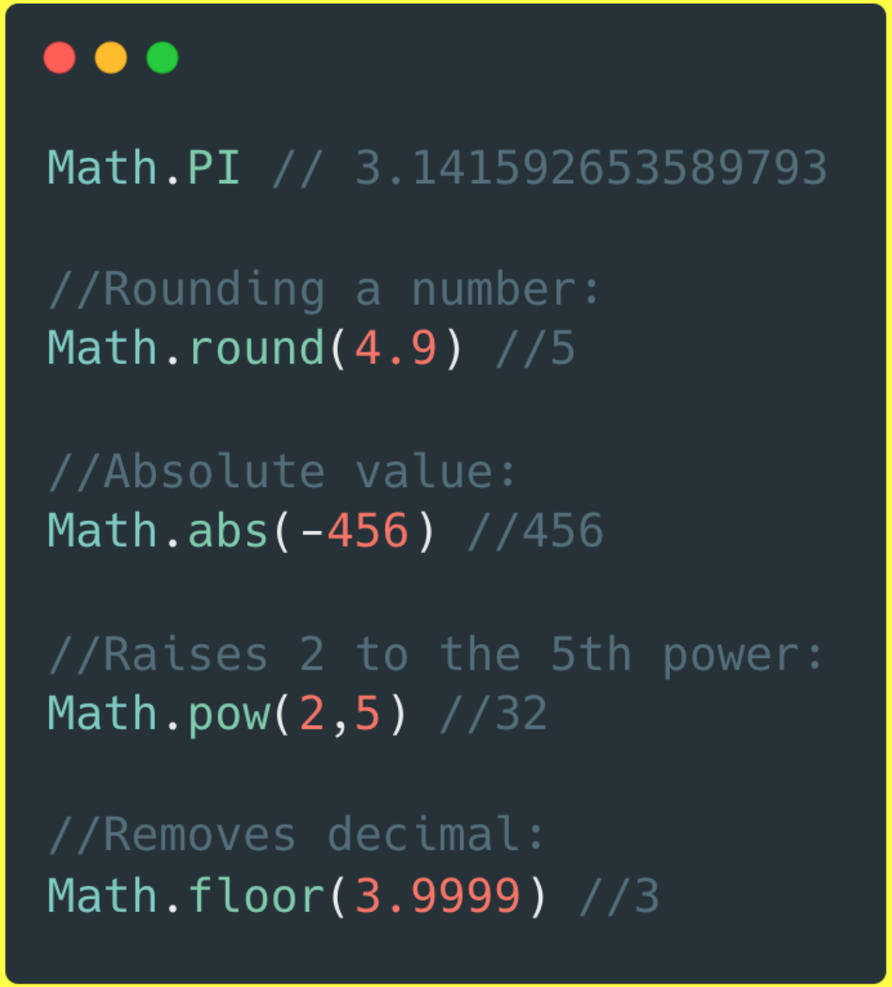
- Null
  - "Intentional absence of any value"
  - Must be assigned
- Undefined
  - Variables that do not have an assigned value are undefined

Undefined

```
let pickles;  //We didn't assign a value
pickles; //undefined,
pickles = 'are very gross'

//Undefined also comes up in other situations:
let food = 'tacos';
food[7]; //undefined
```

MATH OBJECT

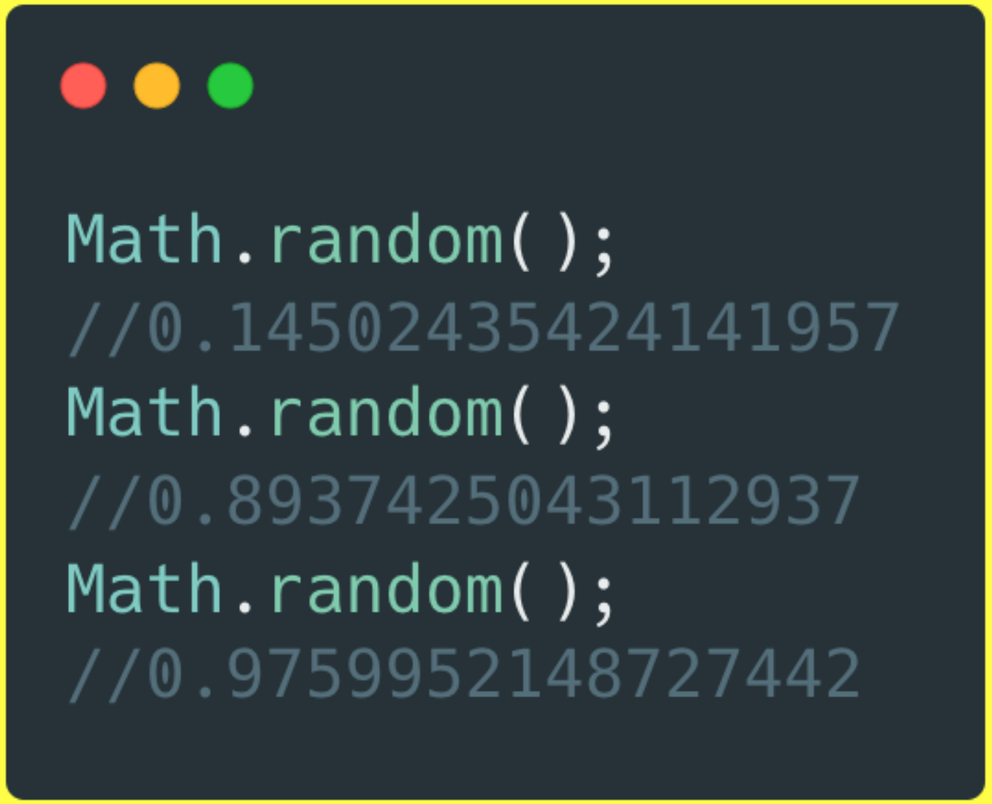
Contains properties and methods for mathematical constants and functions



```
Math.PI // 3.141592653589793

//Rounding a number:
Math.round(4.9) //5

//Absolute value:
Math.abs(-456) //456

//Raises 2 to the 5th power:
Math.pow(2,5) //32

//Removes decimal:
Math.floor(3.9999) //3
```

RANDOM NUMBERS

Math.random() gives us a random decimal between 0 and 1 (non-inclusive)



RANDOM INTEGERS

Let's generate random numbers between 1 and 10

```
const step1 = Math.random();
//0.5961104892810127
const step2 = step1 * 10
//5.961104892810127
const step3 = Math.floor(step2);
//5
const step4 = step3 + 1;
//6

Math.floor(Math.random() * 10) + 1;
```

parseInt & parseFloat

Use to parse strings into numbers, but watch out for NaN!