

JavaScript Math Expressions Notes

Overview

- **Math Expressions:** Use anywhere a number is valid.
- Example: `var popularNumber = 2 + 2;` (assigns 4).
- In alerts: `alert(2 + 2);` (displays 4).
- JavaScript evaluates expressions and delivers the result.

Operators

- **Addition (+):** `var popularNumber = 12 + 24;` (assigns 36).
- **Subtraction (-):** `var popularNumber = 12 - 24;` (assigns -12).
- **Multiplication (*):** `var popularNumber = 3 * 12;` (assigns 36).
- **Division (/):** `var popularNumber = 10 / 2;` (assigns 5).
- **Modulus (%):** Returns remainder of division.
 - Example: `var whatsLeftOver = 10 % 3;` (assigns 1).
 - Even division: `var whatsLeftOver = 10 % 5;` (assigns 0).

Mixing Variables and Numbers

- Combine variables and numbers: `var num = 10; var popularNumber = num + 200;` (assigns 210).
- Use variables alone: `var num = 10; var anotherNum = 1; var popularNumber = num + anotherNum;` (assigns 11).