JavaScript

To put JavaScript in a webpage it must be contained within a script block

```
<script type="text/javascript">
// code goes here
</script>
```

Variables

A variable is a container that holds a value.   It is declared using the var keyword

Example
```
var result;
```

Assignment

Assignment is used to put a value into a variable.

Example
```
result = 3;
```

The right hand side doesn't have to be a single value, but can be a math operation or another variable, or a combination of both.

Example
```
sum = result + 3;
```

Math Operators

Operator	Description	Example
*	Multiply	`result = 2 * 2;        // result is 4`
/	Division	`result = 2 / 2;        // result is 1`
+	Addition	`result = 2 + 3;        // result is 5`
−	Subtract	`result = 2 − 3;        // result is −1`

Math Operator Precedence

Parenthesis first, then multiplication/division (left to right), then addition/subtraction (left to right)

Strings

A string is a sequence of characters surrounded by either single of double quotes.   Strings can be combined together by using the + operator

Example
```
var name = "Tim";
var fullName = name + " Smith";
```