

Tutorial 9, Session 9.3, p704 (Carey 6e)

Mathematical Operators Exercise

JavaScript follows the universal mathematical order of operations (“PEMDAS”). Evaluate the following expressions as they would be evaluated in JavaScript. Check your answers with the answers given below.

1) $20 - 10/5$

2) $(5 * 3) / (1 + 3)$

3) What will render as a result of the following code?

The difference between `N++`, and `++N` will not be on Test 3.

a) `N = 5;`
`document.write(N++);` // increments “after”
`document.write(N);`

b) `N = 8;`
`document.write(++N);` // increments “before”
`document.write(N);`

4) What is the final value of x after these 2 lines of code are executed?

```
x = 7;  
x *= 10;
```

answers:

1) 18;

2) 3.75

3) a) 5
6

3 b) 9
9

4) x=70. (Recall `x *= 10` means `x = x * 10;`)