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7. the following code in javaScript

```
var a=1;
var b="10";
var c=a+b;
var d=b+a;
print(c + " " + d)
```

the oput wout bz 110 & 101 respectively thus violating the commutative addition law

8. if we had a language where Ints are 8 bits, the operation 127 + 127 + (-127) evaluated from left to right would yield an overflow, but from right to left, it wouldn't have any issues

13.

```
int fun(int *k) {
 *k += 4;
 return 3 * (*k) - 1;
 }
```

Suppose fun is used in a program as follows:

```
void main() {
  int i = 10, j = 10, sum1, sum2;
  sum1 = (i / 2) + fun(&i);
  sum2 = fun(&j) + (j / 2);
 }
```

What are the values of sum1 and sum2

a. if the operands in the expressions are evaluated left to right?
b. if the operands in the expressions are evaluated right to left?

a. sum1 = (5) + (41) = 46
   sum2 = (41) + (7) = 48

b. sum1 = (7) + (41) = 48
   sum2 = (41) + (5) = 46