QUIZ

C is able to perform basic mathematical operations on variables and values using common symbols, these include:

- Addition +
- Subtraction -
- Division /
- Multiplication *
- Incrementing ++
- Decrementing --
- Modulo %

Correct!

Finish the code below to increment the value stored in the variable by 1.

```
int a = 5;
a ++ ;
```

You got it!

Finish the code below to check if the two values (or values stored in the variables) are the same.

```
int n = 5;
if (n == 4){..}
```

You got it!

Finish the code below to multiply the variable by 2 and assign the result back to itself.

```
int x;
x *= 2 ;
```

You got it!

Finish the code below so that the `printf()` command runs.

```
int a = 2;
int b = 3;

if (a == 3 [ || ] b == 3) {
  printf("Nice Work!\n");
}
```

You got it!

What would be printed by this code?

```
#include<stdio.h>

int main(){
  int x;
  int y = 17;
  x = y % 2;
  printf("x is now: %d\n", x);
}
```

x is now: 0

x is now: 1

Correct!

In C, what does `!=` do?

Checks if the data types of the variables on the left and right are the same.

This is not a valid C symbol.

Inverts the value stored in the variable on the left, such as 1 becomes -1.

Checks if the left and right side do not have the same value.

Correct!

True or False? In C, a single equal sign (=) checks for equivalence of values.

False, it assigns the variable/value on the right to the variable on the left

 Correct!

True, a single equals checks to see if two values are the same.

What logical operators are available in C?

- +
- -
- *
- /

There is no way in C to perform logical operations directly.

There are no built in logical operators, unlike some other languages, you need to extend the C language in order to use logical operators.

- &&
- ||
- !

 Correct!

What does `+=` do in C?

- [x] Adds the left side to the right side then stores the value in the left side variable.

Correct!

- [ ] Adds one to the value on the right and stores it in the variable on the left.
- [ ] This is not a valid symbol in C.
- [ ] Adds the left side to the right side then stores the value in the right side variable.