Operators

Operator	Name	Description
+	Addition	Adds two values
-	Subtraction	Subtracts two values
/	Division	Divides two values
*	Multiplication	Multiplies two values
%	Modulus	Returns the division reminder
++	Increment	Increases value by 1
--	Decrement	Decreases value by 1
&	And	copies a bit to the result if it exists in both operands
|	Or	copies a bit if it exists in either operand
^	Xor	copies the bit if it is set in one operand but not both
~	Complement	Flips bits
<<	Left Shift	value is moved left by the number of bits specified by the right number.
>>	Right Shift	value is moved right by the number of bits specified by the right number.

OR

14 = 0000 1110 (In Binary)
20 = 0001 0100 (In Binary)
—-----------------------------------
30 = 0001 1110 (14 | 30)

And

14 = 0000 1110 (In Binary)
20 = 0001 0100 (In Binary)
—-----------------------------------
04 = 0000 0100 (14 & 30)

XOR

14 = 0000 1110 (In Binary)

20 = 0001 0100 (In Binary)

—-----------------------------------

26 = 0001 1010 (14 ^ 30)

Complement

26 = 0001 1010

—-----------------------

-27 = 1110 0101 (~26)

Left Shift

26 = 0001 1010

—-----------------------

52 = 0011 0100 (26 << 1)

Right Shift

26 = 0001 1010

—-----------------------

13 = 0000 1101 (26 >> 1)