

# 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 = 00001110 (In Binary)  
20 = 00010100 (In Binary)

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30 = 000011110 (14 | 30)

## And

14 = 00001110 (In Binary)  
20 = 00010100 (In Binary)

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04 = 00000100 (14 & 30)

## XOR

14 = 00001110 (In Binary)

20 = 00010100 (In Binary)

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26 = 00011010 (14 ^ 20)

## Complement

26 = 00011010

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-27 = 11100101 (~26)

## Left Shift

26 = 00011010

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52 = 00110100 (26 << 1)

## Right Shift

26 = 00011010

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13 = 00001101 (26 >> 1)