

Bit operations, 8 bit binary numbers:

AND

	1	1	0	0	1	0	0	1
&	0	1	1	0	0	1	0	1
<hr/>								

OR

	1	1	0	0	1	0	0	1
	0	1	1	0	0	1	0	1
<hr/>								

NOT

~	1	1	0	0	1	0	0	1
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XOR

	1	1	0	0	1	0	0	1
^	0	1	1	0	0	1	0	1
<hr/>								

Add

	1	1	0	0	1	0	0	1
+	0	1	1	0	0	1	0	1
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Left shift 3

1	1	0	0	1	0	0	1	<< 3
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Right shift 3

1	1	0	0	1	0	0	1	>> 3
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Find the 8-bit two's complement representation of the following decimal numbers:

-54

-105

-1

54

+127

-128