

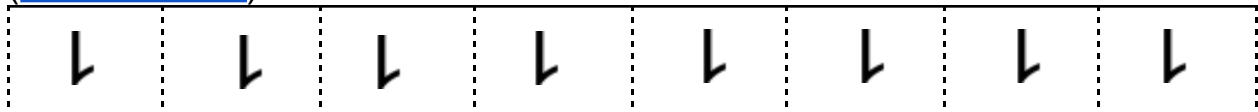


Binary Reference Sheet: Complete the binary numbers column below. (Print double-sided to use converter tool below).

Base 10 (Decimal)	Base 2 (Binary)
0	0000
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	

Binary Converter Tool: Print these two pages double sided and cut along the dotted lines so that you can flip the 1 tabs over backwards to cover the 0's and figure out the base 10 number.

([video instructions](#))





Binary/Dec Conversion: Complete the following table converting between base 10, 2, and 16.

Base 10 (Decimal)	Base 2 (Binary)
0	0
2	
	0100
	0111
8	
9	
15	
	0001 0001
	0001 1111
32	
33	
64	
127	0111 1111
128	

Binary Converter Tool: Print these two pages double sided and cut along the dotted lines so that you can flip the 1 tabs over backwards to cover the 0's and figure out the base 10 number.

2^7	2^6	2^5	2^4	2^3	2^2	2^1	2^0
128	64	32	16	8	4	2	1
0	0	0	0	0	0	0	0