

Base 2 Number	64	32	16	8	4	2	1	Calculation	Base 10 number
	2^6	2^5	2^4	2^3	2^2	2^1	2^0		
100					1	0	0	$1 \times 4 + 0 \times 2 + 0 \times 1 = 4$	4_{10}
1101				1	1	0	1	$1 \times 8 + 1 \times 4 + 0 \times 2 + 1 \times 1 =$	
10111									
111000									
10001									
1001001									
1111111									
1000011									
1000000									
110011									
1110011									
1111001									
11111110									