

BINARY REFERENCE CHART

Computer Science Fundamentals: 4-Bit & 8-Bit Values

DECIMAL	BINARY (4-BIT)	HEX
0	0000	0
1	0001	1
2	0010	2
3	0011	3
4	0100	4
5	0101	5
6	0110	6
7	0111	7
DECIMAL	BINARY (4-BIT)	HEX
8	1000	8
9	1001	9
10	1010	A
11	1011	B
12	1100	C
13	1101	D
14	1110	E

DECIMAL	BINARY (4-BIT)	HEX
15	1111	F

POWERS OF TWO

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

Bit Position: Most Significant Bit (MSB) → Least Significant Bit (LSB)