

BINARY TO DECIMAL REFERENCE

8-Bit Standards (0-255 range)

BINARY (BASE 2)	DECIMAL (10)
0000 0001	1
0000 0010	2
0000 0100	4
0000 1000	8
0001 0000	16
0010 0000	32
0100 0000	64
1000 0000	128
COMMON BYTES	DECIMAL (10)
0000 1111	15
0011 1111	63
0111 1111	127
1010 1010	170
1100 0000	192
1110 0000	224
1111 1110	254
1111 1111	255

POSITIONAL NOTATION (2^N)

$$2^7 = 128$$

$$2^6 = 64$$

$$2^5 = 32$$

$$2^4 = 16$$

$$2^3 = 8$$

$$2^2 = 4$$

$$2^1 = 2$$

$$2^0 = 1$$