

BINARY TO DECIMAL CONVERSION REFERENCE

8-Bit Positional Notation Chart

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

BINARY (8-BIT)	CALCULATION PROCESS	DECIMAL
0 0 0 0 0 0 0 1	$0+0+0+0+0+0+0+1$	1
0 0 0 0 1 0 1 0	$0+0+0+0+8+0+2+0$	10
0 0 1 1 1 1 1 1	$32+16+8+4+2+1$	63
1 0 0 0 0 0 0 0	$128+0+0+0+0+0+0+0$	128
1 1 1 1 1 1 1 1	$128+64+32+16+8+4+2+1$	255

BINARY (8-BIT)

CALCULATION PROCESS

DECIMAL

Educational Resource – Positional Number Systems – Practice Sheet