

number base
digit "place"*

Dec	BCD				Bin3			Oct		Bin				Hex		Base32	
10	(4 bit)				(3 bit)			8		2					16		
	8	4	2	1	4	2	1	8	1	16	8	4	2	1	16	1	
0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0
1	0	0	0	1	0	0	1		1	0	0	0	0	1	0	1	1
2	0	0	1	0	0	1	0		2	0	0	0	1	0	0	2	2
3	0	0	1	1	0	1	1		3	0	0	0	1	1	0	3	3
4	0	1	0	0	1	0	0		4	0	0	1	0	0	0	4	4
5	0	1	0	1	1	0	1		5	0	0	1	0	1	0	5	5
6	0	1	1	0	1	1	0		6	0	0	1	1	0	0	6	6
7	0	1	1	1	1	1	1		7	0	0	1	1	1	0	7	7
8	1	0	0	0					10	0	1	0	0	0	0	8	8
9	1	0	0	1					11	0	1	0	0	1	0	9	9
10									12	0	1	0	1	0	0	A	A
11									13	0	1	0	1	1	0	B	B
12									14	0	1	1	0	0	0	C	C
13									15	0	1	1	0	1	0	D	D
14									16	0	1	1	1	0	0	E	E
15									17	0	1	1	1	1	0	F	F
16									20	1	0	0	0	0	1	0	G
17									21	1	0	0	0	1	1	1	H
18									22	1	0	0	1	0	1	2	I
19									23	1	0	0	1	1	1	3	J
20									24	1	0	1	0	0	1	4	K
21									25	1	0	1	0	1	1	5	L
22									26	1	0	1	1	0	1	6	M
23									27	1	0	1	1	1	1	7	N
24									30	1	1	0	0	0	1	8	O
25									31	1	1	0	0	1	1	9	P
26									32	1	1	0	1	0	1	A	Q
27									33	1	1	0	1	1	1	B	R
28									34	1	1	1	0	0	1	C	S
29									35	1	1	1	0	1	1	D	T
30									36	1	1	1	1	0	1	E	U
31									37	1	1	1	1	1	1	F	V

Notes: Dec = Decimal, Bin = Binary, Oct = Octal, Hex = Hexadecimal, BCD = Binary Coded Decimal, Bin3 = 3 bit Binary.

Number base is the base number system.