

Binary, Hex & Decimal

Computing

The three bases side by side, with the trick for converting in your head.

Four bits make one hex digit — so hex is just binary written compactly.

Dec	Binary	Hex
0	0000	0
1	0001	1
2	0010	2
4	0100	4
8	1000	8
10	1010	A
12	1100	C
15	1111	F
16	0001 0000	10
255	1111 1111	FF

Split binary into fours from the right. 1010 1100 becomes A C, so 10101100 is 0xAC.