L4

Tuesday, January 23, 2018 1:36 PM

bits in a byte?
8
in a nibble?
4

- with hex you can always store a nibble's worth of binary data in one character

1101 0111 0101 1111

0x D 7 5 F

~~decimal~~ ?

Binary	Decimal	Hexadecimal
0000	0	0
0001	1	1
0010	2	2
0011	3	3
0100	4	4
0101	5	5
0110	6	6
0111	7	7
1000	8	8
1001	9 ←	9
1010	10 ←	A
1011	11	B
1100	12	C
1101	13	D
1110	14	E
1111	15	F

a b c d bits

$a2^3 + b2^2 + c2^1 + d2^0$

0 0 1 0

~~$0(2^3)$~~ + ~~$0(2^2)$~~ + $1(2^1)$ + ~~$0(2^0)$~~

2