

Decimal	Binária	Hexadecimal
0	00	0
1	01	1
2	10	2
3	11	3
4	100	4
5	101	5
6	110	6
7	111	7
8	1000	8
9	1001	9
10	1010	A
11	1011	B
12	1100	C
13	1101	D
14	1110	E
15	1111	F
16	10000	10
17	10001	11
18	10010	12
19	10011	13
20	10100	14
21	10101	15
22	10110	16
23	10111	17
24	11000	18
25	11001	19
26	11010	1A
27	11011	1B
28	11100	1C
29	11101	1D
30	11110	1E
31	11111	1F

FF  
100 + 255 unidades

OCTAL
0
1
2
3
4
5
6
7
10
11
12
13
14
15
16
17
20 + 16 unidades.
...
77
100

1

## Decimal para binário

2

Sc: 30  $\overline{) 2}$   
 0 15  $\overline{) 2}$   
 1 7  $\overline{) 2}$   
 1 3  $\overline{) 2}$   
 1 1  $\overline{) 2}$   
 0

11110<sub>b</sub>

30

55 | 2  
1/ 27  
01/ 13  
1/ 6  
0/ 3  
1/ 1  
1/ 0

110111

55

$$\begin{array}{cccccc} 4 & 3 & 2 & 1 & 0 \\ 1 & 1 & 1 & 1 & 0 \\ & & & 2 \\ & & & 4 \end{array} \Rightarrow 1 \times 2^4 + 1 \times 2^3 + 1 \times 2^2 + 1 \times 2^1 + 0 \times 2^0$$
$$16 + 8 + 4 + 2 + 0$$
$$20 + 10$$
$$30$$

$$\begin{aligned} 110111 &= 1 \times 2^5 + 1 \times 2^4 + 1 \times 2^2 + 1 \times 2^1 + 1 \times 2^0 \\ &= 32 + 16 + 4 + 2 + 1 \\ &= 32 + 20 + 3 \\ &= 52 + 3 \\ &= 55 \end{aligned}$$