$102 \rightarrow$ decimal

$(102)_2 \rightarrow$ binario

$(102)_{16} \rightarrow$ hexadecimal

$$102 = 2\times10^0 + 0\times10^1 + 1\times10^2$$
$$= 2 + 0 + 100$$
$$= 102$$

$$(102)_8 = 2\times8^0 + 0\times8^1 + 1\times8^2$$
$$= 2 + 0 + 64$$
$$= 66$$

$$(1011)_2 = 1\times2^3 + 0\times2^2 + 1\times2^1 + 1\times2^0$$
$$= 1\times8 + 0\times4 + 1\times2 + 1\times1$$
$$= 11$$

$(1234)_8 \rightarrow$ ~~80~~ 1668

$1 \times 8^3 + 2 \times 8^2 + 3 \times 8^1 + 4 \times 8^0 =$

$(1011011101)_2 \rightarrow 733$

$1 \times 2^9 + 0 \times 2^8 + 1 \times 2^7 + 1 \times 2^6 + 0 \times 2^5 + 1 \times 2^4 + 1 \times 2^3 + 1 \times 2^2$

$+ 0 \times 2^1 + 1 \times 2^0 = 512 + 128 + 64 + 16 + 8 + 4 + 1$

$= 733$

$(A83D)_{16} \rightarrow 43069$

$15 \times 16^3 + 8 \times 16^2 + 3 \times 16^1 + 13 =$

---

127 → binario

$(1111111)_2$

64+32+16+8+4+2+1

= 127

127 | 2
07 | 63 | 2
1 | 1 | 31 | 2
1 | 15 | 2
1 | 7 | 2
1 | 3 | 2
1 | 1

55 → binario

55	2				
1	27	2			
	1	13	2		
		1	6	2	
			0	3	2
				1	1

$(110111)_2 \rightarrow 32+16+4+2+1$

$= 55$

$55 \rightarrow$ hex $\quad (37)_{16}$.

55 | 16

7 | 3

$(37)_{16} \rightarrow 3 \times 16 + 7$

$(36)_{16} \rightarrow$ octal

↘ 54 | 8

6 | 6

$(66)_8$

$(4321)_8 \rightarrow$ binario

$\downarrow 10$

$4 \times 8^3 + 3 \times 8^2 + 2 \times 8 + 1 = 2257_{10}$

$(100011010001)_2$

0 → 000
1 → 001
2 → 010
3 → 011
4 → 100
5 → 101
6 → 110
7 → 111

3 bits