Nome: Dener Cardozo de Souza RA: 01211028– 1ADS-a

**LISTA 1**

(BINÁRIOS – DECIMAIS)

Converta de binário para decimal:

* 110012 **= 2510**
* 1011010112 = 36310
* 100011112 = 14310
* 1110100102 =46610
* 101100111012 = 143710
* 1100101101012 = 325310
* 1112 = 710
* 10012 = 910
* 100002 = 3210

1110002 = 5610

* 1012002 = ERRO
* 10110112 = 11110
* 11001012 =10110
* 00111012 =2910
* 111010112 =23510
* 111010002 =23210
* 1101000110012 =335310
* 10001110122 =28510
* 110111111102 =179010
* 00111012 = 2910

Converta de decimal para binário

* 1010 = 10102
* 6710 = 10000112
* 45010 = 1110000102
* 99910 = 11111001112
* 32510 = 1010001012
* 65010 = 10100010102
* 7710 = 10011012
* 18910 = 101111012
* 23410 = 111010102
* 7410 = 10010102
* 16710 = 101001112
* 8310 = 10100112
* 160010 = 110010000002
* 99910 = 11111001112
* 75010 = 10111011102
* 2710 = 110112
* 199110 = 111110001112
* 202010 = 111111001002
* Dia-mês-ano do seu nascimento (19/04/1993) = 10010001010001110110010012
* Idade (28) = 111002

**LISTA 2**

(HEXADECIMAL - BINÁRIO - OCTAL – DECIMAL)

Converter a base binária em hexadecimal

* 110111010102 = 6AE 16
* 110011011012 = 66D 16
* 100000011112 = 40F 16
* 111011000102 = 76216
* 1110011010012 = E6916
* 111111000011 = FC316
* 1011000110002 = B1816
* 1000000001102 = 80616
* 11000112 = 6316
* 101011111012 = 57D 16
* 10000110012 = 21916
* 1011012 = 2D 16
* 10000000112 = 20316
* 111000111101102 = 38F616
* 11001000012 = 32116
* 11011102 = 6E 16
* 001101102 = 3616
* 1110011110000111000000112 = E7870316
* 110110102 = DA 16
* 100012 =1116

Converter a base hexadecimal em binário

* 22316 = 10001000112
* 7116 = 11100012
* 62216 = 110001000102
* 9716 = 100101112
* 12116 = 1001000012
* 29716 = 10100101112
* 217316 = 100001011100112
* 132516 = 10011001001012
* 74316 = 111010000112
* 21216 = 10000100102
* 68116 = 110100000012
* 93H716 = ERRO
* 148016 = 10100100000002
* 167116 = 10110011100012
* 3A216 = 11101000102

Converter a base hexadecimal em octal

* 33B 16 = 14738
* 62116 = 30418
* 9916 = 2318
* 1ED416 = 173248
* 7EF 16 = 37578
* 22C 16 = 10548
* 110A 16 = 104128
* 21A716 = 206478
* 1BC916 = 157118
* 27D 16 = 11758
* E5F 16 = 71378
* 235116 = 215218
* 19AE16 = 146568
* ACEF16 = 1263578
* 214B 16 = 205138

Converter a base octal em binário

* 4058 = 1000001012
* 4778 = 1001111112
* 2378 = 100111112
* 468 = 1001102
* 7058 = 1110001012
* 1738 = 11110112
* 2018 = 100000012
* 4528 = 1001010102
* 21368 = 100010111102
* 17418 = 11111000012
* 6138 = 1100010112
* 5468 = 1011001102
* 1208 = 10100002
* 3178 = 110011112
* 7208 = 1110100002
* 6658 = 1101101012

Converter a base octal em decimal

* 758 = 6110
* 668 = 5410
* 488 = ERRO
* 408 = 3210
* 368 = 3010
* 378 = 3110
* 058 = 510
* 508 = 4010
* 1218 = 8110
* 658 = 5310
* 228 = 1810
* 458 = 3710
* 758 = 6110
* 868 = ERRO
* 428 = 3410

Converter a base octal em hexadecimal

* 0108 = 816
* 3678 = F716
* 048 = 416
* 10178 = 20F 16
* 14348 = 31C 16
* 33468 = 6E616
* 570278 = 5E1716
* 50268 = A1616
* 5558 = 16D 16
* 5708 = 17816
* 17248 = 3D416
* 115618 = 137116
* 65768 = D7E 16
* 4611618 = 2627116
* 20238 = 41316