

1.

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Ltra	Binario	Hexa
H	01001000	48
e	01100101	65
r	01110010	72
l	01101100	6C
e	01100101	65
s	01110011	73
s	01110011	73
S	01010011	53
t	01110100	74
i	01101001	69
f	01100110	66

h	01101000	68
B	01000010	42
a	01100001	61
r	01110010	72
r	01110010	72
a	01100001	61
g	01100111	67
a	01100001	61
n	01101110	6E
L	01001100	4C
e	01100101	65
o	01101111	6F
n	01101110	6E

2.

756/2	0
378/2	0
189/2	1
94/2	0
47/2	1
23/2	1
11/2	1
5/2	1
2/2	0
1/2	1

756 base 10 = 1011110100 base 2

3.

B	potencia	binario x potencia
0	2 ⁰	0
1	2 ¹	2
1	2 ²	4
0	2 ³	0
1	2 ⁴	16
1	2 ⁵	32
1	2 ⁶	64
0	2 ⁷	0
1	2 ⁸	256
1	2 ⁹	512
0	2 ¹⁰	0
1	2 ¹¹	2048

Total = 2934 base 10

4.

Binario	Decimal	Hexadecimal	Octa
0	0	0	0
1	1	1	1
10	2	2	2
11	3	3	3
100	4	4	4
101	5	5	5
110	6	6	6
111	7	7	7
1000	8	8	10
1001	9	9	11
1010	10	A	12
1011	11	B	13
1100	12	C	14
1101	13	D	15
1110	14	E	16
1111	15	F	17
10000	16	10	20
10001	17	11	21
10010	18	12	22
10011	19	13	23
10100	20	14	24

10101	21	15	25
10110	22	16	26
10111	23	17	27
11000	24	18	30
11001	25	19	31
11010	26	1A	32
11011	27	1B	33
11100	28	1C	34
11101	29	1D	35
11110	30	1E	36
11111	31	1F	37
100000	32	20	40

5.

Rta: 1A0