

1.

CARACTER ASCII	D	a	n	i	e	l
DECIMAL	68	97	110	105	101	108
BINARIO	00 00 01 10 10 00	00 00 10 01 01 11	000 100 010 000	000 100 000 100	000 100 000 001	000 100 001 000

CARACTER ASCII	S	a	n	t	i	a	g	o
DECIMAL	83	97	110	116	105	97	103	111
BINARIO	00 00 10 00 00 11	00 00 10 01 01 11	000 100 010 000	000 100 010 110	000 100 000 101	00 00 10 01 01 11	000 100 000 011	000 100 010 001

CARACTER ASCII	G	i	r	a	l	d	o
DECIMAL	71	105	114	97	108	100	111
BINARIO	00 00 01 11 00 01	000 100 000 101	000 100 010 100	000 010 010 111	000 100 001 000	000 100 000 000	000 100 010 001

CARACTER ASCII	T	o	r	r	e	s
DECIMAL	84	111	114	114	101	115
BINARIO	00 00 10 00 01 00	00 01 00 01 00 01	000 100 010 100	000 100 010 100	000 100 000 001	000 100 010 101



1	1	1	0	0	1	0	1	0	1	1	1	1	0
8 1 9 2	4 0 9 6	2 0 4 8	0	0	2 5 6	0	6 4	0	1 6	8	4	2	0

Hexadecimal: 395E

1	1	1	1	1	1	1	1	1	1	1	1	1
4096	2048	1024	512	256	128	64	32	16	8	4	2	1

Hexadecimal: 1FFF

[illegible]

Hexadecimal: 801

d.

1	0	1	0	1	0	1	1	1	1	0	0	0	0
8 1 9 2	0	2 0 4 8	0	5 1 2	0	1 2 8	6 4	3 2	1 6	0	0	0	0

Decimal: $8192+2048+512+128+64+32+16=10992$

Hexadecimal: 2AF0

4.

Decimal	Binario	Hexadecimal
0	0000	0
1	0001	1
2	0010	2
3	0011	3
4	0100	4
5	0101	5
6	0110	6
7	0111	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	0001 0000	10
17	0001 0001	11

18	0001 0010	12
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19	0001 0011	13
20	0001 0100	14
21	0001 0101	15
22	0001 0110	16
23	0001 0111	17
24	0001 1000	18
25	0001 1001	19
26	0001 1010	1A
27	0001 1011	1B
28	0001 1100	1C
29	0001 1101	1D
30	0001 1110	1E
31	0001 1111	1F
32	0010 0000	20

5. 19F:

Binario: 110011111

1: 0001

9: 1001

F: 1111

Decimal: 415

1: $(16^2) \cdot (1) = 256$

9: $(16^1) \cdot (9) = 144$

F: $(16^0) \cdot (15) = 15$

$256 + 144 + 15 = 415$