

Priority
CORRESPONDENCE/NOTES

$$1100_2 = (1 \times 2^3) + (1 \times 2^2) + (0 \times 2^1) + (0 \times 2^0)$$

1	1	0	0	= 8 + 4 = 12
2 ³	2 ²	2 ¹	2 ⁰	
8	4	2	1	

$$1100_2 = 12_{10}$$

1	1	1	1	= 8 + 4 + 2 + 1 = 15
2 ³	2 ²	2 ¹	2 ⁰	
8	4	2	1	

$$1111_2 = 15_{10}$$

1	0	0	1	0	0	1	00
2 ⁷	2 ⁶	2 ⁵	2 ⁴	2 ³	2 ²	2 ¹	2 ⁰
128	64	32	16	8	4	2	1

$$= 128 + 16 + 2$$

$$= 146$$

$$10010010_2 = 146_{10}$$

Over

Priority
CORRESPONDENCE/NOTES

1	0	0	0	1	0	0
2^6	2^5	2^4	2^3	2^2	2^1	2^0
64	32	16	8	4	2	1

$$= 64 + 4$$

$$= 68$$

$$1000100_2 = 68_{10}$$