

BINARY TO DECIMAL CONVERSION CHART

4-Bit Reference Guide (0-15)

| BINARY | DECIMAL |
|--------|---------|
| 0000 | 0 |
| 0001 | 1 |
| 0010 | 2 |
| 0011 | 3 |
| 0100 | 4 |
| 0101 | 5 |
| 0110 | 6 |
| 0111 | 7 |
| BINARY | DECIMAL |
| 1000 | 8 |
| 1001 | 9 |
| 1010 | 10 |
| 1011 | 11 |
| 1100 | 12 |
| 1101 | 13 |
| 1110 | 14 |
| 1111 | 15 |

Position Values (Power of 2):

2^3 (8) | 2^2 (4) | 2^1 (2) | 2^0 (1)

Example: $1011 = (1 \times 8) + (0 \times 4) + (1 \times 2) + (1 \times 1) = 11$