

# Ejercicios de Cambio de Numeración

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## 1. Pasar a Sistema Hexadecimal

- $1|0001|1001_2 = 119_{16}$
- $5767_8 = 1011|1111|0111_2 = BF7_{16}$
- $9854_{10} = 2^{13} + 2^{10} + 2^9 + 2^6 + 2^5 + 2^4 + 2^3 + 2^2 + 2^1 = 10|0110|0111|1110_2 = 267E_{16}$
- $10|1100|1001_2 = 2A9_{16}$
- $764527_8 = 11|1110|1001|0101|0111_2 = 3E957_{16}$
- $574120_{10} = 2^{19} + 2^{15} + 2^{14} + 2^9 + 2^7 + 2^5 + 2^3 = 1000|1100|0010|1010|1000_2 = 8C2A8_{16}$

## 2. Pasar a Sistema Binario

- $6415_8 = 110|100|001|101_2$
- $9B47_{16} = 1001|1011|0100|0111_2$
- $9845_{10} = 2^{13} + 2^{10} + 2^9 + 2^6 + 2^5 + 2^4 + 2^2 + 2^0 = 10011001110101_2$
- $35477_8 = 011|101|100|111|111_2$
- $F5D41_{16} = 1111|0101|1101|0100|0001_2$
- $56878_{10} = 2^{15} + 2^{14} + 2^{12} + 2^{11} + 2^{10} + 2^9 + 2^5 + 2^3 + 2^2 + 2^1 = 1101111000101110_2$

### 3. Pasar a Sistema Octal

- $47855_{10} = 2^{15} + 2^{13} + 2^{12} + 2^{11} + 2^9 + 2^7 + 2^6 + 2^5 + 2^3 + 2^2 + 2^1 + 2^0 = 1|011|101|011|111|111_2 = 135377_8$
- $FB49_{16} = 1|111|101|101|001|001_2 = 175511_8$
- $10|011|010|101_2 = 2325_8$
- $5687_{10} = 2^{12} + 2^{10} + 2^9 + 2^5 + 2^4 + 2^3 + 2^2 + 2^1 + 2^0 = 1|011|000|111|111_2 = 13077_8$
- $A58DC_{16} = 10|100|101|100|011|011|100_2 = 2454334_8$
- $011|011|011|010|010_2 = 33322_8$

### 4. Pasar a Sistema Decimal

- $8DA2_{16} = 8 * 16^3 + 14 * 16^2 + 10 * 16^1 + 2 * 16^0 = 36514_{10}$
- $6745_8 = 6 * 8^3 + 7 * 8^2 + 4 * 8^1 + 5 * 8^0 = 3557_{10}$
- $110011101_2 = 2^0 + 2^2 + 2^3 + 2^4 + 2^7 + 2^8 = 413_{10}$
- $ECC58_{16} = 14 * 16^4 + 12 * 16^3 + 12 * 16^2 + 5 * 16^1 + 8 * 16^0 = 969816_{10}$
- $54217_8 = 5 * 8^4 + 4 * 8^3 + 2 * 8^2 + 1 * 8^1 + 7 * 8^0 = 22671_{10}$
- $10110100101_2 = 2^0 + 2^2 + 2^5 + 2^7 + 2^8 + 2^{10} = 1445_{10}$