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1) binário p/ decimal

$$\begin{array}{r} 110110 \\ 543210 \\ 2^5 + 2^4 + 2^3 + 2^1 = 32 + 16 + 4 + 2 \\ \hline 54 \end{array}$$

2) Decimal p/ binário

$$\begin{array}{r} 39 \div 2 \\ 19 \div 2 \\ 9 \div 2 \\ 4 \div 2 \\ 2 \div 2 \\ 1 \div 2 \\ \hline 100111 \end{array}$$

3) Octal p/ decimal

$$\begin{array}{r} 326 \div 8 \\ 6 \times 8^0 = 6 \\ 2 \times 8^1 = 16 \\ 3 \times 8^2 = 192 \\ \hline 214 \end{array}$$

4) decimal p/ octal

$$\begin{array}{r} 86 \div 8 \\ 6 \div 8 \\ 10 \div 8 \\ 2 \div 8 \\ 1 \div 8 \\ \hline 126 \end{array}$$

5) hexadecimal para decimal

$$\begin{array}{r} A1D \rightarrow 2589 \\ 10 \times 16^2 = 2560 \\ 1 \times 16^1 = 16 \\ 13 \times 16^0 = 13 \\ \hline 2589 \end{array}$$

6) Decimal para hexadecimal

$$\begin{array}{r} 302 \div 16 \\ 14 \div 16 \\ 2 \div 16 \\ \hline 12E \end{array}$$

7) Binário p hexadecimal

$$\begin{array}{r} 1100110111 \rightarrow 737 \\ 0111 \div 7 \\ 0011 \div 3 \\ 0111 \div 7 \end{array}$$

8) hexadecimal p/ binário

$$\begin{array}{r} C10A \rightarrow 1100101010 \\ C \rightarrow 1100 \\ 1 \rightarrow 0001 \\ 0 \rightarrow 0000 \\ A \rightarrow 1010 \\ \hline 1100101010 \end{array}$$

9) Binário para octal

$$\begin{array}{r} 111110110 \rightarrow 366 \\ 111 \div 3 \\ 110 \div 6 \\ 110 \div 6 \end{array}$$

10) Octal para binário

$$\begin{array}{r} 1201 \rightarrow 101000001 \\ 1 \rightarrow 001 \\ 2 \rightarrow 010 \\ 0 \rightarrow 000 \\ 1 \rightarrow 001 \end{array}$$

Binário	Octal	Decimal	Hexadecimal
110001111	617	399	18F
111110	76	62	36
1100011100	1434	796	31C
101000000001	5001	2561	A01