

Convert 647₁₀

• Binário - (1010000111)₂

647 | 2

(1) 323 | 2

12 161 | 2

(1) 80 | 2

(1) 40 | 2

(0) 20 | 2

(0) 10 | 2

(0) 5 | 2

(1) 2 | 2

(0) 1

Octal: (1208)₈

647 | 8

(7) 80 | 8

(0) 10 | 8

(2) 1

Hexa: (287)₁₆

647 | 16

(7) 40 | 16

(8) 2

Convert 3758

Binário -

3 - 0011

7 - 0111

5 - 0101

001101110101

ou

1101110101₂

Decimal:

$$3 \times 8^2 + 7 \times 8^1 + 5 \times 8^0$$

$$192 + 56 + 5$$

253₁₀

Hexa:

3 - 011

7 - 111

5 - 101

01111101

0FD₁₆

C
3' Converta os n. decimais para Binário

55₁₀

$$55 \div 2$$

$$\begin{array}{r} 54 \\ \underline{54} \end{array} \quad 27 \div 2$$

$$\begin{array}{r} 26 \\ \underline{26} \end{array} \quad 13 \div 2$$

$$\begin{array}{r} 12 \\ \underline{12} \end{array} \quad 6 \div 2$$

$$\begin{array}{r} 3 \\ \underline{3} \end{array} \quad 3 \div 2$$

$$\begin{array}{r} 1 \\ \underline{1} \end{array}$$

110111₂

102₁₀

$$102 \div 2$$

$$\begin{array}{r} 51 \\ \underline{51} \end{array} \quad 25 \div 2$$

$$\begin{array}{r} 25 \\ \underline{25} \end{array} \quad 12 \div 2$$

$$\begin{array}{r} 12 \\ \underline{12} \end{array} \quad 6 \div 2$$

$$\begin{array}{r} 6 \\ \underline{6} \end{array} \quad 3 \div 2$$

$$\begin{array}{r} 3 \\ \underline{3} \end{array} \quad 1$$

$$\begin{array}{r} 1 \\ \underline{1} \end{array}$$

1100100₂

1026₁₀

$$1026 \div 2$$

$$\begin{array}{r} 513 \\ \underline{513} \end{array} \quad 256 \div 2$$

$$\begin{array}{r} 256 \\ \underline{256} \end{array} \quad 128 \div 2$$

$$\begin{array}{r} 128 \\ \underline{128} \end{array} \quad 64 \div 2$$

$$\begin{array}{r} 64 \\ \underline{64} \end{array} \quad 32 \div 2$$

$$\begin{array}{r} 32 \\ \underline{32} \end{array} \quad 16 \div 2$$

$$\begin{array}{r} 16 \\ \underline{16} \end{array} \quad 8 \div 2$$

$$\begin{array}{r} 8 \\ \underline{8} \end{array} \quad 4 \div 2$$

$$\begin{array}{r} 4 \\ \underline{4} \end{array} \quad 2 \div 2$$

$$\begin{array}{r} 2 \\ \underline{2} \end{array} \quad 1$$

$$\begin{array}{r} 1 \\ \underline{1} \end{array}$$

1000000010₂

Convertir a segundo, m. para decimal

347_8

$$3 \times 8^2 + 4 \times 8^1 + 7 \times 8^0$$

$$192 + 32 + 7$$

$$(231)_{10}$$

$$\begin{array}{r} 64 \\ + 3 \\ \hline 192 \\ 32 \\ 7 \\ \hline 231 \end{array}$$

220_8

$$2 \times 8^2 + 2 \times 8^1 + 0 \times 8^0$$

$$128 + 16$$

$$(144)_{10}$$

$$\begin{array}{r} 128 \\ 16 \\ \hline 144 \end{array}$$

$AF2_{16}$

$$10 \times 16^2 + 15 \times 16^1 + 2 \times 16^0$$

$$256 + 240 + 2$$

$$(298)_{10}$$

$$\begin{array}{r} 16 \quad 16 \\ 15 \quad 16 \\ \hline 80 \quad 96 \\ 16 \quad 2 \\ \hline 240 \quad 256 \end{array}$$

$$\begin{array}{r} 256 \\ 240 \\ 2 \\ \hline 498 \end{array}$$