PASAJE DE NÚMERO BINARIO A DECIMAL

NÚMERO BINARIO:

NÚMERO DECIMAL

$01101100 = 0*2^0+0*2^1+1*2^2+1*2^3+0*2^4+1*2^5+1*2^6+0*2^7=$

$1 + 0 + 4 + 8 + 0 + 32 + 64 + 0 = 109$

01101100= **109**

Nombre	Simbolo	Potencias binarias y valores decimales
byte	b	$2^0 = 1$
Kbyte	KB	$2^{10} = 1\,024$
Megabyte	MB	$2^{20} = 1\,048\,576$
Gigabyte	GB	$2^{30} = 1\,073\,741\,824$
Terabyte	TB	$2^{40} = 1\,099\,511\,627\,776$
Petabyte	PB	$2^{50} = 1\,125\,899\,906\,842\,624$
Exabyte	EB	$2^{60} = 1\,152\,921\,504\,606\,846\,976$
Zettabyte	ZB	$2^{70} = 1\,180\,591\,620\,717\,411\,303\,424$
Yottabyte	YB	$2^{80} = 1\,208\,925\,819\,614\,629\,174\,706\,176$

Medida	Simbologia	Equivalencia
byte	b	8 bits
kilobyte	Kb	1024 bytes
megabyte	MB	1024 KB
gigabyte	GB	1024 MB
terabyte	TB	1024 GB
Petabyte	PB	1024 TB
Exabyte	EB	1024 PB
Zetabyte	ZB	1024 EB
Yottabyte	YB	1024 ZB
Brontobyte	BB	1024 YB
Geopbyte	GB	1024 BB

2KB a MB=

KB a bytes= $2*2^{10}$ = 2048

bytes a MB= $2*2^{20}$

2KB= $\frac{2*2^{10}}{2^{20}}$ = $2*2^{-10}$= 0,001953125MB

2KB a MB

1024KB =1MG

$2KB = \frac{2KB*1MG}{1024KB}$

2KB=0,001953125MB

10MB a KB=

$\frac{10MB*2^{10}KB}{1MB}$

=$10*2^{10}$KB = 20^{10}KB

Kilobytes=$\frac{10\ MB*1024KB}{1\ MB}$=

= 1024kb