(1x102) + (2 x 101) + (3 x 100) 100 = 1 3 x 1 = **3**

102 = 100

1 x 100 = **100**  101 = 10

2 x 10 = **20**

**100 + 20 + 3 = 123**

**(1x2) + (1x2) + (0x2) + (0x2) + (1x2) + (0x2) + (1x2) + (0x2) =**

27+26+05+04+23+02+21+00

128+64+0+0+8+0+2+0 **= 202**

**2.2.2.2.2.2=64**

**2.2.2.2.2.2.2= 128**

**110101**

(1X2) + (1X2) + (0X2) + (1X2) + (0X2) + (1X2) =

25+24+03+22+01+20

32+16+0+4+0+1 **= 53**

**1011001**

(1x2) + (0x2) + (1x2) + (1x2) + (0x2) + (0x2) + (1x2) =

26+05+24+23+02+01+20

64+0+16+8+0+0+1 **= 89**

25

64

89

**10011011**

**(1x2) + (0x2) + (0x2) + (1x2) + (1x2) + (0x2) + (1x2) + (1x2) =**

27+06+05+24+23+02+21+20 = **155**

128+0+0+16+8+0+2+1

128

27

155

**1100011**

**(1x2) + (1x2) + (0x2) + (0x2) + (0x2) + (1x2) + (1x2)**

26+25+04+03+02+21+20**= 99**

64+32+0+0+0+2+1

35

64

99

**110000011**

28+27+06+05+04+03+02+21+20**= 387**

256+128+0+0+0+0+0+2+1

131

256

387

**1101111000**

29+28+07+26+25+24+23+02+01+00 **= 888**

**+0+0+0**

**10000000111 = 1031**

**Decimal para binário**

**110110**

**54/2 = 27 resto = 0**

**27/2 = 13 resto = 1**

**13/2= 6 resto = 1**

**6/2 = 3 resto = 0**

**3/2 = 1 resto = 1**

**½ = 0 resto = 1**

**0000101**

**133/2 = 66 resto 1**

66/2 = 33 resto = 0

33/2 = 16 resto 1

16/2 = 8 resto 0

8/2 = 4 resto 0

4/2 = 2 resto 0

2/2 = 1 resto 0

**15/2 = 7 resto 1**

**248/2 = 124 resto 0**

**777/2 = 388 resto 1**

388

388’

776

Decimal para binário

22/2 = 11 resto 0

11/2 = 5 resto 1

5/2 = 2 resto 1

2/2 = 1 resto 0

½ = 0 resto 1

Binário2 para hexadecimal16

24 = 16

0001 0110

23222120  23222120

0+0+0+1 0+4+2+0

**1 6**