Sistemi di rumera Zione Ab A: numerale/ Citra b: Base. Base 108 0123456789 Base b: cifre 0 -- > b-1 [0, b-1] Sistema posi Eionale 123 213 N= Z anbn C: # Cifre 9n: Nesime citra 123 = 3× 10° + 2× 10° + 9 × 10° 3 atre: c=3 213 = 3 × no + 1 × 10 + e × 10 100z = 0x2°+0x2+1x2 = 410 1002 + 100,6 - couversione di base 710 D a tentativi 8=23>7 -> 4=2 7=4+3 = 4+2+1= 1x2+1x2° 111 >

123756po ->

2) Metodo algoniturico. 10 -> 2 N = 73,0 7/2 = 3 73/2 = 36 resto 1 1 36/2 = 18 resto Ø 3/2 = 1 1 Ø 18/2 = 9 1/2 = 0 1 9/2 = 4 610: Ø 6/2 3 r= Ø 4/2 = 2 Ø 3/2 1 1 2/2 = 1 1 1/2 0 1 1/2 < 0 610 -> 1102 = 0x2°+1x2 +1x2° 710 -, 1112 = 1x2°+1x2'+1x2 730 - 10010012 Base 16: 0123456789ABCDEF 160 = 1016 1F16 = 15x 16 + 1x16 = 15+16 = 1710 1710 = 1116 $1F_{16} = F_{16} \times 10_{10}^{0} + 1 \times 10_{10}^{1} =$ = 1510 × 1610 + 110× 1610 = 12 × J + 1 × 19 = 12 + 19 = 3110

1310 -> ? 16

Base 2: DDDD 0... 15 10.

Convertise 10101001100012 in base 16

10102 =
$$1 \times 2^{\circ} + 1 \times 2^{\circ} + 0 \times 2^{\circ} + 1 \times 2^{\circ} = 11 \times 2^{\circ} = 11 \times 2^{\circ} + 1 \times 2^{\circ} = 11 \times 2^{\circ} = 1$$

Calcolore