OSCAY Martin CSC 11 09/13/14 1. Convert 57, 44, 81, 15 to base 2, 8, 16 000 01 = 1 -32 1. 57,0: 0x22+ 0x26+ 1x2+ 1x2+ 1x2+ 1 x23+ 0x2+ 0x2+ 1 x2° 57 in base 2 = 00111001 base 8 = 71basc 16 = 39 44,0: 0 x2+ 0 x2+ 1 x2+ 0 x2+ 1 x2+ 1 x2+ 0 x2+ 0 x2 44 in base 2= 00101100 base 8 = 54 base 16= 2C

44 base 16 = 0010 | 1100 = 20310: 0x2+ 0x26+ 0x25+ 1x2+ 1x2+ 1x2+ 1x2+ 1x2+ 31 base 2 = 0001,1111 131 in base 2 = 000/11/1 31 base 8 = 000/011/111 = 37 base 8 = 37 31 base 16 = 0001 /1111 = 17 base 16= 17 5,000 0x2+ 0x2+ 0x2+ 0x2+ 1x2+ 1x2+ 1x2+ 1x2'+ 1x2'

44 base 2 = 0010 1100 TWO S HAWATE = 11010011 t 1 -44= 11010100

15 base 2 = 0000 1111

15 base 8 = 00/001/11/ = 17

15 basel6 = 0000 /1111 = 0 F

7

Homework

57 base 2 = 00 11100,1

44 base 8 = 000 | 0 | 000 = 54

10=1=01

44 base 2 = 00 10 11 00

31 16 2. Find - 44 and -15 in base 2,16

3. Calculate 57-44 and 31-15 in base 2,16

57 base 8 = 00/11/001 = 7/00

57 base 16 = 0011/1001 = 39

7 /F = 0001

 $-44_{10} = 11010100$

15 in base 2 = 0000 1111 base 8= 17

base 16= 07