Activity 1

1- 
$$10101000110_{(2} \Rightarrow 2^{1}+2^{2}+2^{6}+2^{8}+2^{8}+2^{10}=$$

$$2 \quad 4 \quad 64 + 256+1024 = 1350$$

$$K=2^{10}-1 \Rightarrow \frac{1014-1}{5121-5H} \quad 1023$$

1350-1023= 227 (10

2- G[10110101006110]Hantisea  $K = 2^{(5-1)} - 1 = 16 - 1 = 15 + 14 = 19 (10 = ) [001]$ Exponent

10 10011 1011010100 C- Aproximation montisca is more long but IEEE 16 bit = 1 bit signal 5 bits exposured 18 bits mantisa

3- FAC(16 => 111,1 10,10 1,100 (2 =) 7654 (8

Sor obtain decemal, Growert F to 4bits 1111, A to 1010 and CTO1100

Sor obtain octal, convert 100 to 4, 101 to 5, 110 to 6 and 111 to 7

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to obtain 32 bit in octal change 3 zeros to one 0 to complete the bits