

"mail" = q : slamox? The largest oury > the largest 4-digit number.

If we put 1,2 and 3 in the first position, the number will become negative because they are integers In decimal: 0444 > 5°. 4+5:4+52,4=124 b) -1 and -8 in 6 complement notation 1 -1 -7 4444 : # 1-1-At a 8 man 4 32 pib-in trallome off - 000+ bosse s. Because & represents the smallest 20 0) Addition 2: 92004444 reduces guitogas 8711443210 town trad We add two negative numbers 4431 is a negative number too

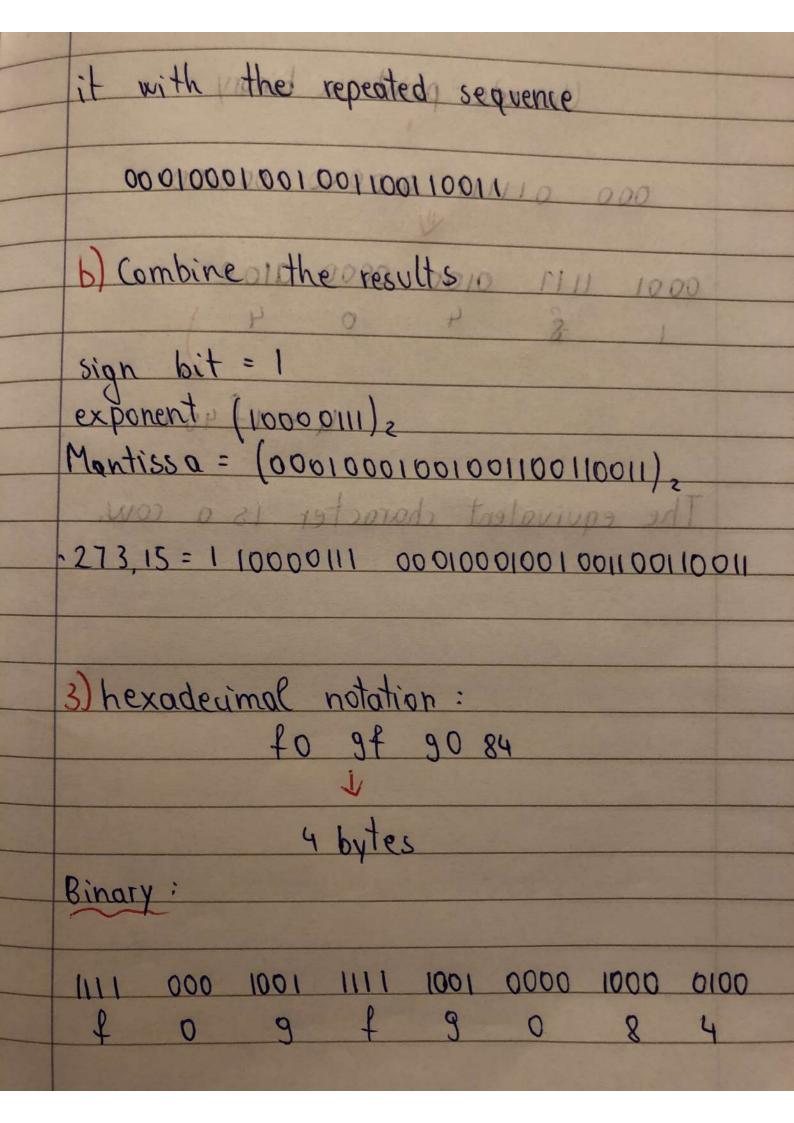
In order to obtain the value of the number, we find its absolute value going backwords: The number is negative = sign bit = · Remove 1: ent boo troy43 box ent demanifeia. - 1 Trog Jamingh 4430 ESS = 1 you sody · Take its b complement Whole port o bingy. H is 0014 273 mod 2 · Convert it into binary 5 bom 281 100 S pom 80 5°. 475'.1 = 4+5=9 5 horn 48 4430 = -9 S Dom 5 S born + 1000,0001 .

	wested into a single
	2) how - 273.15,0 converted
	2) how -273.15, converted into a single precision floating point number
	a)
	The number is negative => sign bit = 1
	· Distinguish the whole part and the
	decimal part
	Distinguish the whole part and the decimal part whole part = 273 08 AP
	decimal part = 0,15
	tremeliner d'eti stot.
	Whole part > binary
	p100 21 H /
	273 mod 2
	136 mod 2 yronid otal of fromo)
	68 mod 2 001
	34 mod 2 8 = 31 # = 1 . 0001.2
	8 mad 2
	4 mad 2
	2 mod 2 0010001
	1 mod 2 00010001
	0 mod 2 100010001
	0100010001
10.34	

	Decimal part >> binary &
	0,15·2 = 0,3 prind of 0281 tours).
	6, 3 · 2 = 0,6
	0,6.2=1,2 0015 born 281
	0,2·2=0,4 00105 bom 52
	0,4.2=0,8 00,00 bom 88
	0,8 · 2 = 11,60 001001 born d
	0,6.2 = 1,200 0010011 6000 8
	0,2·2=0,4000 00100110 bom P
	0,4.2 = 0,80000 001001100000 5
	0,8.2:1,6100001 00100110014
	1110000010 S port 0
	We stop because the digits are repeated
1	the leading t from the represent
	· Normalize the number
	(100100 1000 1000) = 023HADM
	100010001.001001 = 10001000100.108
	stid 11 31 H
	* Add the exponent bias (127) to the
9	exponentin =>1 (18) t at a P ant suffer
13	exponent

	127 + 8 = 135 road tog Jordina	
		_
	· Convert 1350 to binary	_
	00 2.5.80	_
	135 mod 2100 5.1=5.00	-
	67 mod 20100 PII = 5.50	
	33 mod 20100 2110 = 5. PO	
	16 mod 120100 0111 = 5.80	
	8 mod 1/20100 00111 = 5.00	The second second
	4 mod 01200100 000411 = 5.50	
1	2 mod 1200100 0000111 = 5 - 40	
1	1 mod /1200100 100001111 = 5 - 810	
	0 mod 2 010000111	-
A	We stop becouse the digits are repeate	
_	· Drop the leading I from the representation	
	isdmun et estomolise	-
	Mantissa = (00010001 001001)	-
1	*01 · 00100100010001 = 100100 100010001	1
-	10 11 0118	
	19:00 the exponent bias (127) to	
-	· File the 9 bits that have remained. We fill	1
1	Marie Control of the	

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Unicode point in bingry 0001 1111 0100 0000 0100 lugated f 40 4mgs Montissa = (00010001001001100110011 The equivalent character is a cow. : goitotor nomineboxed! 48 OP JP 01 0010 0001 0000 1001 1111 1001 000 1111