-	Decimal -shex *	Decimal = base 10	e relication arms to keep with
ex	10,	Binary = base 2	And the second second
-	The state of the s	octal = base 8	181718111160
-	Divide by a , neep reach at R	hex = base 16	I have been been the second of the second of the second
	10/2 = 5 RO.		The same of the same
ele-	5/2 = 2 RI	218	
	a/2 = 1 R 0		the manager of xilling
	1/2 = 0 R		
	7		
	oma you reach a, stop		granders produced
4	Given the remainders, list them	out in reverse or de	×
+	10,0 = 1010		
- 4	1010		German - British & Koth
1.5		We come to the second	The state of the s
~			
ex.	23,0		
	23/2=11 R1		
	11/2 = 5 R1	-> How do I check?	Bray -> acamal
-	5/2 = 2 R1 101112	AND ADDRESS OF THE PERSON NAMED ADDRESS OF THE PERSON NAMED AND ADDRESS OF THE PERSON NAMED AND ADDRESS OF THE PERSON NAMED ADDRESS OF THE	The state of the s
	2/2 = 1 RO A	4 3 2 1 4	+ 23+0+22-1+21-1+201 A
20	1/2 = 0 RIJ	16	+0+4+2+1
NE.	sife as 6 7 at A	= 2310	
-			- The The Control of the A

X	* Get familian w/ your powers of 10110101510101 ~ everyong here's region					ſ	1			
	here's right Jecimal to binary to)									
	101101017 ore 27-25 ou 300									
	74 5 43 2 1 0 d 7 2 7 3 7 7 = 138732 +167 4 7 1 - 1016									
	base 8		Dig	ts	-			1000		
_	Binary - nex & octal		He	((0-	15))				
-	0 /	0		7	17		14	17,13		
	base 16 base 8	1	1	8	8	F	15			
	# 6159	2	2	9	9	726	1800			
	to represent 16=4 pits 8=3 pits	3	3	A	10	HE TO	10			
	* convert groups to deamal, than look up	4	4	В	III		360			
ex	: 1011000131 corresponding aigu ->	5	5	e	12	1000	1.40	14/22		
		Ь	16	b	13	THE SALE				
	FOR OCIQI, Group bits from RIGHT									
	in 3s Octal (0-7)									
0	01011000101	01	D	AL.	4	4	11180			
-		1	1		s	SHARES	Last 1	ro sound		
run	add 0s to elft 4 1305.	2	2	13.0	1	6	. 5	3 1 \ 0.1		
1		3	3	1	7	7	7	1,3		
	For hex, group bits in 45					10	2	- cles		
0	01011000101		7				9			
	2 12 5 = [2054]				PT.		1			
500	La				767	E NOCH	ver um			
	+3K F6 3575/31	41	1327 1	1974	10	Deserve	ny v	3 CM +		
1							0000	P *		
	Hex &octal -> deamal					1		Can convey ting		
	→ Binary 1					477		and the		
	January my transfer of the same					20 C.		\$ 2 2		
6)	(A3 42 H				-			1 × ×		
		133	2460				10	3-1-8		
0	Oconvert to binary Donvert to decimal									
	A=10=1010 1	10	P. Inchia	la de	1	A 3	42	1-12		
4	3 = 3 = 0011 put it + together = 10100	110	0100	010	1	3 2	10	The Allendar		
	4=4=0100	1	Test s		71	A.163	+ 3.11	2 + 4.16 + 2.16		
7.0	2= 2=0010	10.15				0 =	4179	. 1500		

If you know we are working with signs or not

Let MSB be the sign bit	One 14 complement - out take since
L> 0 = positive	Decimal -> signed binary
1 = negative	Decimal -> signed binary
	Datemene me sign o
10110	② convert to binary
/ The state of the	+-> 3 gurp +ne bits -> one's complement
regative number 2x2x2 append	(4) + 1 -> two's compument
10110 = (24) +221 124) +2+2	
43210 1 H+++2	
negare first value - 12r2	
= -16+4+2 = -10	
0.11	Notes
34/2-/	
x -34 17/2=8	• One's complement not preforred
deal with positive 34. 8/2=4	be cause has 2 representations
34 → binary = 0100010, 4/2 =	2 ()
6	23 chirapervents there are only
add bit to tepresent positive	a range of values you can
1/7=(of represent given in bits - 5 -
Flip bits: 00(1101	Γ
(-)	This is very
add 1 (1011101) -> +reat carry vain	a as you mportant night to
	+he 2's/1's so each in ming. You are
	amplement at a positive visition
annel: 1011110	number is the binary Convert HZ
	representation Heelf. to binary
How do we check?) \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
Same as in previous example	= 011002
1011110 = -(2t) + 24t 23 + 22t21	nud to show it
= -64+16+8+4+2= -34	
יים אוויסי פון דע	16/2=8 0 Arra
	8/2= 9 0 [V[0]]
	8/2 = 4