		Homewor	YK 2	
1.	Unsigned:		, 24, 63	
	Unsigned:			
convert		elirectly to		- we
- Decimo		o in	binory is Du	20000
	1 Number 1 Number	24 in bino	finary is 00111000 ory is 011000	0: 2+23=29
	Signed:			
directly	or positive	numbers, we y using bos	also conve	for positive
- <i> </i>	Jecina Juli	mher 16 In	hinory IC	04(1)(1)(1)(1)(24=1
- ρει - ρει	cimal number	ber -2 jn ber -31 jn er -32 in b	binary is Took	$\begin{array}{cccccccccccccccccccccccccccccccccccc$

7 Formula: Basically, check the first bit, If it is I -> => number negative; otherwise it is unsigned, then If I then find the two's complement by inverting all pu bits (0->1; 1->0) and add 1. Then Convert result to the decinal Then we have 1. 000101 Signed: $5 = 2^{1} + 2^{0} = 5^{-1}$ 1. 000101 Sunsigned $5^{-1} = 2^{0} + 2^{1} = 5^{-1}$ > Signed: -21 = -25 + 2 + 2 + 2 + 2 2. 101011 unsigned: 43 = 25+23+2+2=43 7 signed: -1 -2 + 2 + 2 + 2 + 2 + 2 + 2 7 Signed: -32 $-2^5 = -32$ U. 100000 Sunsigned: 32 = 25 $3. \quad 7 = 16^{\circ} \cdot 7 = 0_{\chi} 0 = 0$ 171 = 16.10 +11.16 = 0x AB 240 = 16-15 = 0xFO 126 = 16-7+160.14=0x7E



-7												
7. 7	=	00	2111									
15	-	011	111									
-16	=	100	000									
-5	=	110	11									
Si	gn-	CX+c.	nsion	•				24	0 - C	Xtcs	ion:	
7	? =	000	00111	1				7 =	000	00 11	11	
	5 =	000	0111	1				15	= 00	00 [[//	
	16 =	1111	0000	2			_	-16 =	000	100	00	
_	5 =	1111	1011				_	. 5 =	000	1101	1	
			•									
S. 1.7 =	= 22	+ 2 0	- 20 =	011	1							
9	= 2	3+20	<u> </u>	100	1							
01	11		> W	got.	a	er H	bu	ana	1 the	· /es	ulf	will
100	00		be	000	000		0		•			
2. 4	, =	010										
		101										
	010	\circ			4							
1	011	, -	-> ,	we	dor	t	h	ave	OVER	flou	0	ind
			to	he	res	(1/t	u	j [[be (1111	= -	1