

	bits	unsigned decimal	signed magnitude	two's complement	
	00000000	0	0	0	
	00000001	1	1	1	
	00000010	2	2	2	
	00000011	3	3	3	
	00000100	4	4	4	
	00000101	5	5	5	
	00000110	6	6	6	
	00000111	7	7	7	
	00001000	8	8	8	
	00001001	9	9	9	
positive numbers	00001010	10	10	10	
	00001011	11	11	11	
	00001100	12	12	12	
	00001101	13	13	13	
	00001110	14	14	14	
	00001111	15	15	15	
	00010000	16	16	16	
	00010001	17	17	17	
	...				
	01111100	124	124	124	
	01111101	125	125	125	
	01111110	126	126	126	
	01111111	127	127	127	
negative numbers	10000000	128	-0	-128	
	10000001	129	-1	-127	
	10000010	130	-2	-126	
	10000011	131	-3	-125	
		...			
		11111100	252	-124	-4
		11111101	253	-125	-3
		11111110	254	-126	-2
	11111111	255	-127	-1	