

Digital Data Formats

Integers: 1 byte

00000000	=	0
00000001	=	1
00000010	=	2
00000011	=	3
00000100	=	4
00000101	=	5
00000110	=	6
00000111	=	7
00001000	=	8
⋮		
11111110	=	254
11111111	=	255

256 = 2⁸
 numbers
 0 → 255

Signed Integers:

			0	0	1	1
			+0	+1	+0	+1
			0	1	0	10
Add 2 bytes!	}	00000110	=	+6		
		← sign				
	+	11111010	=	+(-6)	(2's C)	
Sum:	!	00000000	=	0		
		↑				overflow