

Five-bit Binary codes					Sample 8 bit codes				
Decimal Value	Unsigned (straight) Binary	Signed Binary	Offset Binary	2's complement signed binary notation	Decimal Value	Unsigned (straight) Binary	Signed Binary	Offset Binary	2's complement signed binary notation
32									
31	11111								
30	11110								
29	11101								
28	11100								
27	11011								
26	11010								
25	11001								
24	11000								
23	10111								
22	10110								
21	10101								
20	10100								
19	10011								
18	10010								
17	10001				256				
16	10000				255	11111111			
15	01111	01111	11111	01111	254	11111110			
14	01110	01110	11110	01110	...	...	...	...	...
13	01101	01101	11101	01101	128	10000000			
12	01100	01100	11100	01100	127	01111111	01111111	11111111	01111111
11	01011	01011	11011	01011	.....	.....	.....	...	.....
10	01010	01010	11010	01010	10	00001010	00001010	10001010	00001010
9	01001	01001	11001	01001	9	00001001	00001001	10001001	00001001
8	01000	01000	11000	01000	8	00001000	00001000	10001000	00001000
7	00111	00111	10111	00111	7	00000111	00000111	10000111	00000111
6	00110	00110	10110	00110	6	00000110	00000110	10000110	00000110
5	00101	00101	10101	00101	5	00000101	00000101	10000101	00000101
4	00100	00100	10100	00100	4	00000100	00000100	10000100	00000100
3	00011	00011	10011	00011	3	00000011	00000011	10000011	00000011
2	00010	00010	10010	00010	2	00000010	00000010	10000010	00000010
1	00001	00001	10001	00001	1	00000001	00000001	10000001	00000001
0	00000	00000	10000	00000	0	00000000	00000000	10000000	00000000
-0		10000			-0		10000000		
-1		10001	01111	11111	-1		10000001	01111111	11111111
-2		10010	01110	11110	-2		10000010	001111110	11111110
-3		10011	01101	11101	-3		10000011	001111101	11111101
-4		10100	01100	11100	-4		10000100	001111100	11111100
-5		10101	01011	11011	-5		10000101	001111101	11111101
-6		10110	01010	11010	-6		10000110	001111100	11111100
-7		10111	01001	11001	-7		10000111	001111101	11111101
-8		11000	01000	11000	-8		10001000	001111000	11111000
-9		11001	00111	10111	-9		10001001	001111011	11111011
-10		11010	00110	10110	-10		10001010	001111010	11111010
-11		11011	00101	10101	...		...	...	...
-12		11100	00100	10100	-126		11111110	000000010	10000010
-13		11101	00011	10011	-127		11111111	000000001	10000001
-14		11110	00010	10010	-128			000000000	10000000
-15		11111	00001	10001					
-16			00000	10000					