1. 201 To Binary

128	64	32	16	8	4	2	1
1	1	0	0	1	0	0	1

2. 201 to base 3

3. 11 1110 0111

E

10 = A
11 = B
12 = C
13 = D
14 = E

= 3E7

4. COFE base 16 to binary

C = 12 → 1100
O → 0000
F = 15 → 1111
E = 14 → 1110

5. 1011 0101 + 0101 1011

1011 0101 +
0101 1011
1000 1000

6. yes

7. 0010 1101
0001 0111
01000100 #

8. 105 to 8-bit Binary

128	64	32	16	8	4	2	1
0	1	1	0	1	0	0	1

9. -105 to binary

105 = 01101001 +
10010110
105+1 10010111

128	64	32	16	8	4	2	1
0	1	1	0	1	0	0	1
1	0	0	1	0	1	1	1

= 11111111 10010111

11. Binary to Excess-3 12

1 0 5
0001 0000 0101
0100 0011 1000 +3

0100 0011 1000

sign-magnitude representation