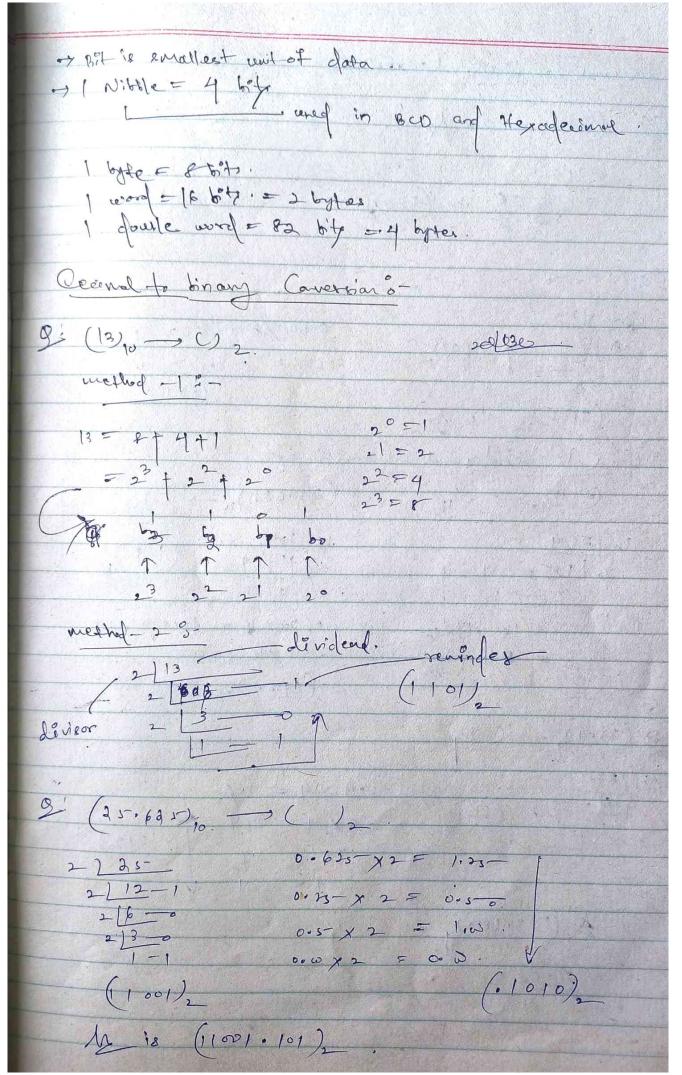
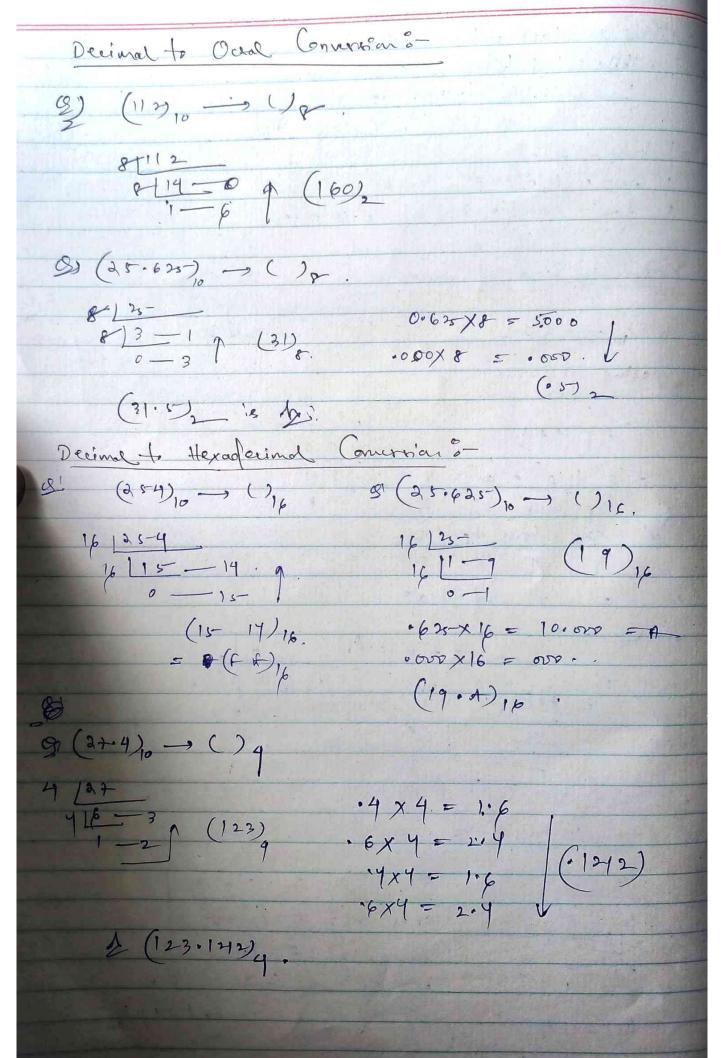
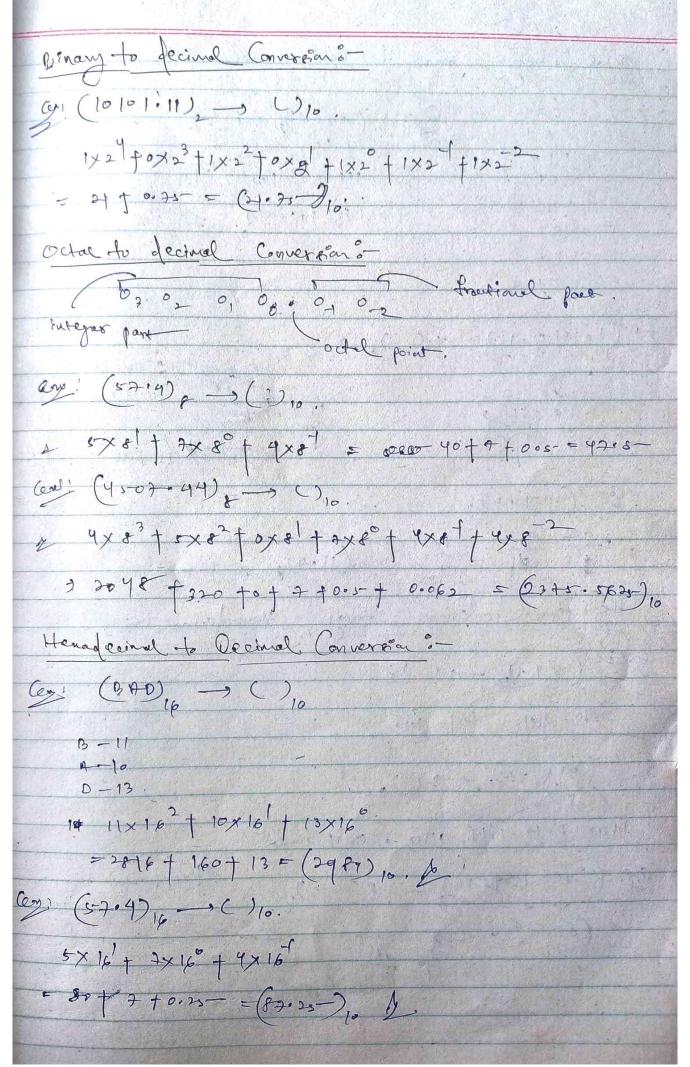
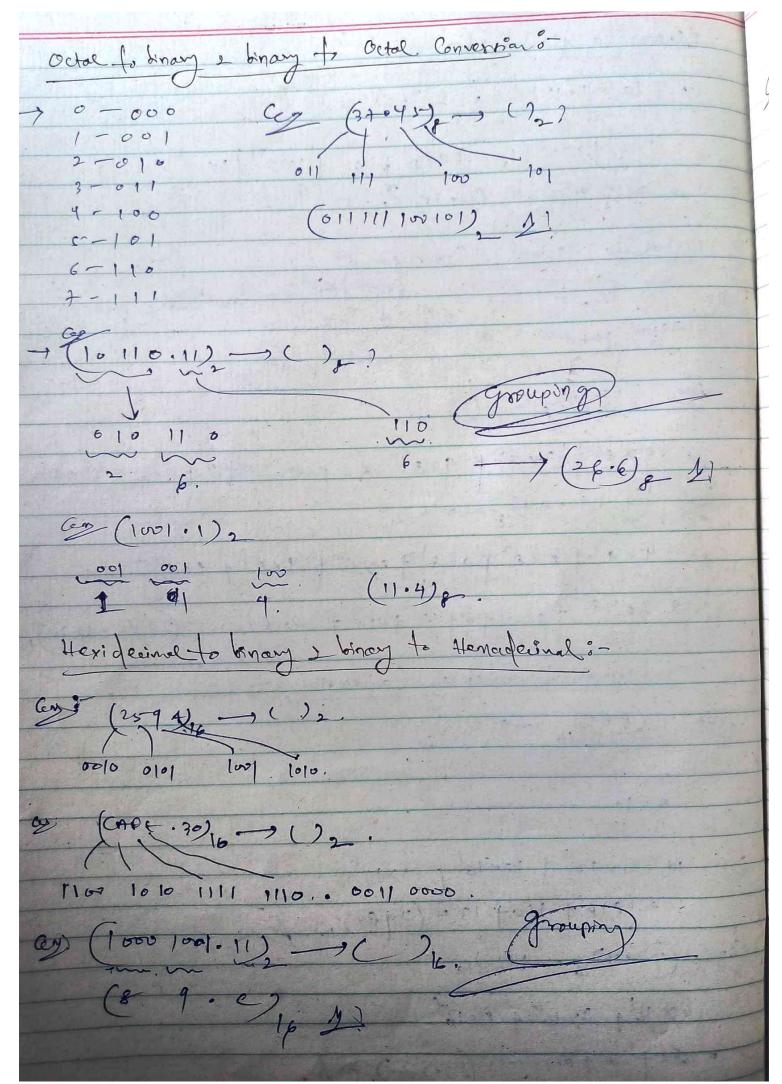
| Number Cystems :- | |
|---|-------|
| -> A set of value used to represent quantity. | |
| -> Name Bare (or Padés. | |
| Dinary 2 (0,1) | |
| Octol 8 (0,1,2,2,4,5,6,7). | |
| Occimul 10 (0,1,2,,9). | |
| Deroferinel 12 (0,1,2,3, 9, A, B)6 | |
| Henadeinol: 16. (0,1,,9,1,5,0,0,1,5) | |
| 4. (0 to 3) fo. (0,1,2,3) | |
| | |
| weighted and Unweighted coler :- | Poute |
| 7392 = 3000 + 300 + 900+ 2 | 1 |
| = +x 10 + 9x 10 + 2x 10 (0x inlut | |
| weight | |
| | |

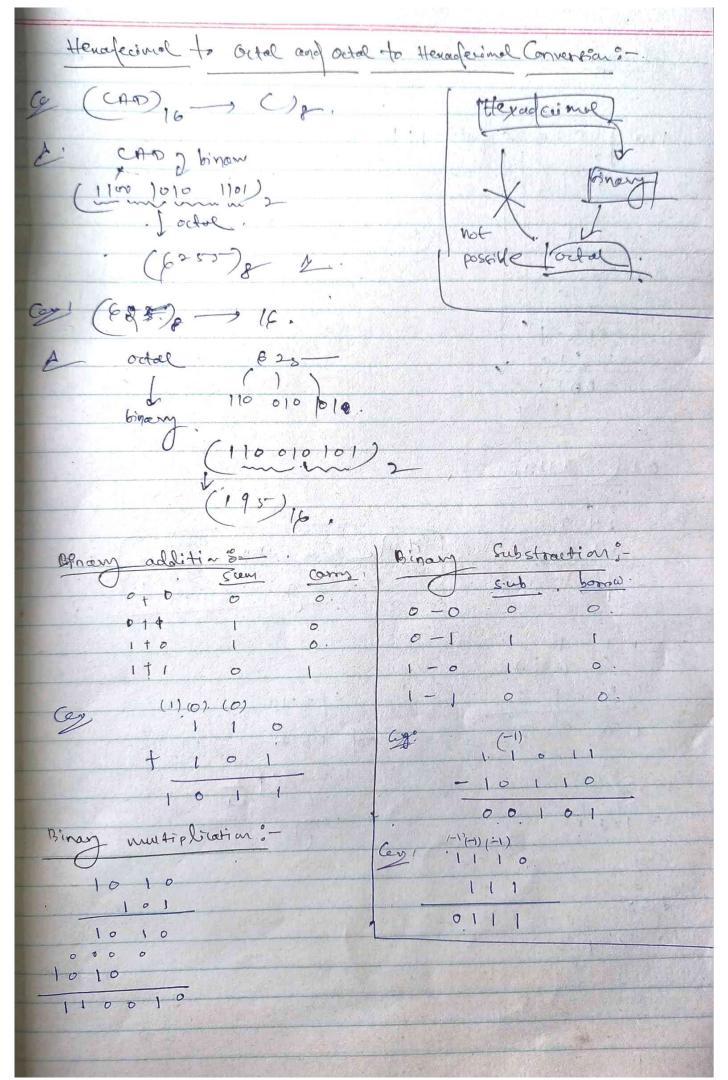
Number Cystem 2 cofo renceighted. weighted en decimal dona errers - 3 etc. binary octal BCD etc. Binary Number Cystem & > 0 to (-1). s rinary disity is also colled bits. $\frac{1}{2} = \frac{1}{2} = \frac{1}$ soighty. Cert 10101.11 1 x 2 1 + 0 x 2 1 1 x 2 + 0 x 2 + 1 x 2 + 1 x 2 + 1 x 2 2 MSB - Most significant bit became by chansing left side doff. is more

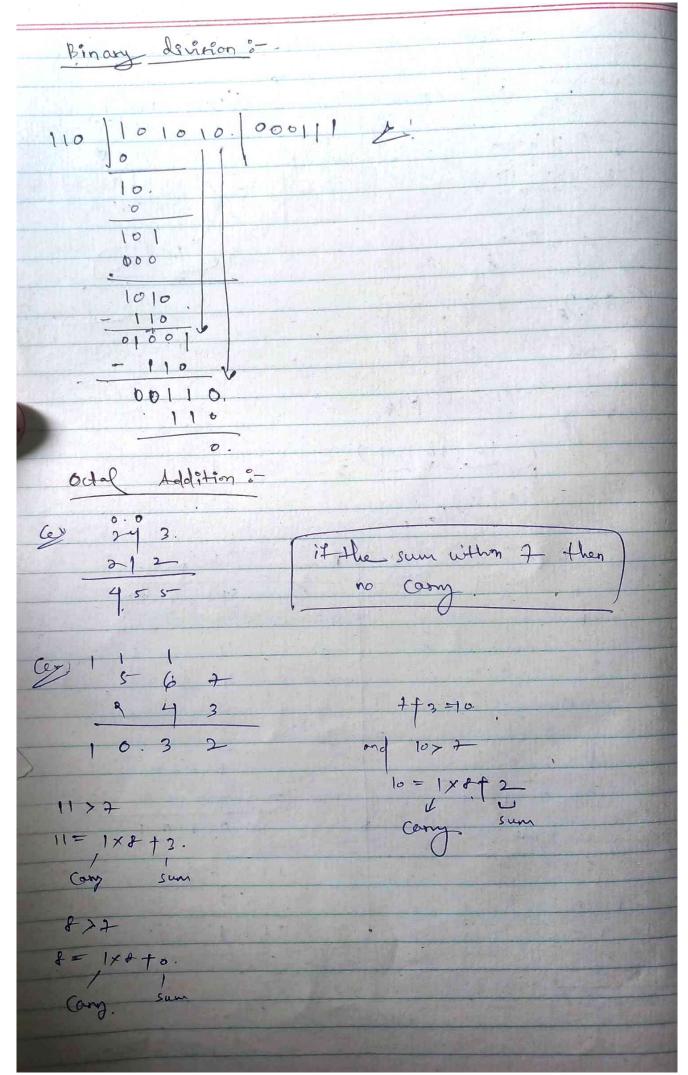












Octal Substraction: sho some 5 p in place of 4 there is 3 now. in place of 7 there is 6 5- x 12 82 x Octal Multiplication: com sum 1 3 1 5

1's and 218 Complement of (8-1) comp = x4-N-1 = (8 -1) - N. if 5 =10. , then 5 1 = 9999 14 8=8, then 87-1 = 7777 15 r= 16, then 84-1 = FFFF 15 r=2, then 84-1 = 1111 08). Obtain 18 of (1010)2. & Substract from 1111 we see is complement is just inverge 3) obtain 2/8 comp of (10111010)2. I find 's Complement and ord of 1. 18 comp = 01000101 61000110 A Shootcut for als Conslement o-Step-1! write given number. step-2: Starting from LSB, copy are the o's till the first ! step-1: Copy the first 1. Step 4: Complement all the remaining bits. 2'6 16 111000. 01001000. ((101100)₂ 10 1100: (010100) N.