**Number Conversion** Monday, 13 September 2021 5:22 PM least lignificant Bit msb most bronificant bit 2 ()= Exen 1 = Odd 128 84 32 16 8 Denony 8 Hex 100 200 50 15 OF 31 63 127 255 169 187 95 70 (Denay) Hexa - Decimal Range: 24=165 28 = 258 (255 23456789 A. 45925. 18 20 Count rever changes; shape thendes. 22 45 6789ABCDEE 100 1A 13 Her DEF **O** 1345678943CDGG 1101010101112345 000000101010112345 Binary Coded Decimal: (BCD) Eveny denomy déglé is converted to its  $(29)_{10} = (0010 1001)_{30}$   $(158)_{10}$   $(0000000101011000)_{30}$ Alway Complete the byte for BCD encoding. Denary run Bus made up of odd runber of digits will always have as O (zero) in Prefix.  $(192)_{10}$  =  $(0000000110010010)_{BCD}$ . 38 gned 2's Complement Sirany Addation. Mumbers 61,105,92 Bin 215 Complement: 32 · Range-+10 -10 -3 0111011) = 77 hex 77 bed +1192's

> 11111111 <u>255 bin</u> FF trea

. Brow bed -1 2's