Binary

O and 1

oranged servations and 20

ex. 1101 Binary-Pecimal

2 2 1 20

12 20

12 3 #

$$37 - 32 + 4 + 1$$
 $2^{5} + 2^{2} + 2^{5}$ 
 $100101$ 

- SUCCESSIVE division method (least synificant bit) 142 = 2 = 21 RO LSB 71/2= 35 R1 35/2 = 19 2117/2=8 17 8/2=4 RO 4/2=2 RO 2/2=1 PO 1/2 = 0 R1 ( mes & significant bit) Ans 1000 1110 169 R1 84 P 1 101010011 20 42 RO 21 RI (0 RO 5 7 2 20 P)

Hexadecimal number 0-9, A,B,C,P,F,F A=10 B=1) c=12 D=13 Hesa - Pacinal E=14 F = 15 ex. OSA1 Disit 3 2 1 0 Multiplier 163 162 16 16 Hex 0 5 A 1 0 x 12 5 x 16 1 /2/6 36 1,280+160+1 = [44] 23E

 $\frac{2 \times 16^{2} + 3 \times 16 + 19}{512 + 48 + 19}$ 560+14=574

F7D1 15×162 + 7×16+13 3940 +112 + 13 =3,965 ABO916 10×16+11×162+9 40910 2816 49 = 43,785 #

Binary -> Hexadecimal Hes Birry 0000 0001 5010 -4 200101110100 5 0011 0100 0101 1010 1011 Var group Binary 20 gaz 4 bits

Hex to Binary

A35 F = 1010601101071111

A 3 5 F (16 bits)
1010 0011 0101 1111