```
+0+01
 Convertir a decimal los sig. Nomeros
a) 110011, 11_2 = \frac{2^5 2^4 2^3 2^2 2^2 2^2}{110011, 11}
              32+16+0+0+2+1 \frac{1}{2}+\frac{1}{2^2}=51,22
                         + 1 - 51.75/
        2 2 2 2 2 2 2 2 2
      b) 10 10 10.0
 2 = 4
       32+0+8+0+2+0+0+
 24 = 16
       25 = 32
 26=64
 27 = 128
         164 + 0 + . 1 + . 5 + . 25 + . 125
 28 = 256
             165.875//
        64+32+16+8+0 + ..625
                    120.625
           10111100.100101
           64+0+16+8+4 +0 .5+.125+.0312
```

92.656

f)
$$\frac{2^6}{1111000001.00001$$

113.062

h)
$$\frac{2}{1} = \frac{2}{1} = \frac$$

Foto 2

Convertir a binario los sig decimales

b) 21

Residuo

$$\frac{10}{2\sqrt{21}} = 2\sqrt{10} = 2\sqrt{5}$$
 $\frac{2}{10} = 2\sqrt{5}$

```
Foto 3
   Convertir a decimal. los sig Nom Octales
                8' 80
                         = (1x8) + (2x8°) = 8+2=10
  0) 128 = 1 2
              8'8° = (2×8')+(7×8°)=16+7=2.3
  b) 278 =
  C) 568 = 8'8°
56 = (328') + (628°) = 40 + 6 = 46
 \theta) 64_8 = 8'8' = (6x8') + (4x8') = 48 + 4 = 52
 e) 103_8 = 8^2 8' 8^6

1.03 = (1 \times 8^2) + (0 \times 8') + (3 \times 8^6) = 64 + 3 = 67
 f|SS7_8 = 8^2 8' 8'

S7 = (S78^2) + (S78') + (778') = 320+40+7
                                                - 367
  9) 163_8 = \frac{8^2 8' 8^\circ}{1.6.3} = (1264) + (628) + (321) = 64 + 48 + 3 = 113
 i) 7765, 83 82 81 8° = (7xs12)+(7x64)+(6x8)+(5x1)-3584+448+
                                                = 4085
 Convertit a octal los sig decimales
                                               8127
24
                 stis b) 27 Residuo
a)15
         Residuo
                          27/8 3 = 33<sub>8</sub>
        7 = 178
C) 46 Residuo
                       D) 70 Residuo
                         7018
         6 568
   46/8
                               0 = 106
```

743 75 Foto 3 decimal - octal 104 120 e) 100,0 Residuo f) 142,0 Residu 12/8 4 142/8 6 17/8 1 = 144 = 216 9) 219 h) 435 Residuo Residuo 219/8 3 435/8 3 54/8 6 27/8 3 3 = 333₈ = 6638

79 97

152 136

Convertir a binario los sigi Nom octales

a)
$$13_8 = 001 \quad 011 = 1011_2$$

f) 46538 = 4 6 5 3 = 106110101011

```
9) 13271= 001011010 010 001 = 00101101011001
M 4 5 600 = 4 5 6 00 = 100 101110000000
i) 100 2138 = 1 0 0 2 1 3
              001 000000 010 001 011 = 10000000 010 001 011
   Convertir a octal los sig binarios
9)111 = 111 = 78
 6)10 = 010 = 2
· CI 110111 = 110 111 = 67
 d) 101010 = 101 010 = 62
 e) 1160 = 001 100 = 14
f) 10 11110 = 001 011 110 = 136.
 9/10/106/01/100/ = 13/100 01/00/ = 5431
h/10/10/06/6/11 = 010 110 000 011 = 26.63
```

1 111 111 10 11 11 000 = 111 111 101 111 000 = 77570.

7

```
Convertir a decimal los sig Non
                                                  Foto 4
       hexadecimales
                 16 16°
 a) 23_{16} = 23 = (2 \times 16) + (3 \times 1) = 32 + 3 = 35
                 16' 16°
9 2 = (9×16') + (2×1) = 144+2 = 146
 6) 92,6=
  C \mid A_{1C} = \frac{16}{1} \mid A(10) = (1 \times 16) + (10 \times 16) = 16 + 10 = 26
d) 8D_{16} = \frac{16}{8} \frac{16}{13} = (8 \times 16) + (13 \times 1) = 128 + 13 = 14)
             |S(F)| = (|S \times |6|) + (|3 \times |1|) = 240 + 3 = 243
 f) ∈ B, = 16' 16°
                          = (14×16')+ (11×1) = 224+11=235
9) SC2 = 16 16 16 = (3x16)+(12x16)+(2x1)=
h) 700,6 = \frac{16^{2}}{7} \frac{16'}{0} \frac{16^{0}}{0} = (7 \times 16^{2}) + 0' = 1792
                                            1280+192+2:1474
 Convertir a Hexada mod los sig Nomeros Decimales
 口)8
                                          8,0 = 8,6
    Como
   Decimal 0, 1, 2, 3 ... 7, 8, 9, 10
   Hexa 0,1,2,3, ... 7,8,9,A
                                               16/52
  b) 14 = E16 (d) 52
                                 Residuo
 C) 33 Residuo
                         52/16
      33/16
     = 21,6
                              = 34,6
```