Networkin Class – Raymond – 05/21/2020

Binary Conversion

1 1 1 1      2\*\*0 = 1  
    2\*\*1 = 2  
  2\*\*2 = 4  
2\*\*3 = 88+4+2+1 = 15 = F1 0 1 0  
      2\*\*0 = 1  
    2\*\*1 = 2  
  2\*\*2 = 4  
2\*\*3 = 88+0+2+0 = 100000 = 0 = 0  
0001 = 1 = 1  
0010 = 2 = 2  
0011 = 3 = 3  
0100 = 4 = 4  
0101 = 5 = 5  
0110 = 6 = 6  
0111 = 7 = 7  
1000 = 8 = 8  
1001 = 9 = 9  
1010 = 10 = A  
1011 = 11 = B  
1100 = 12 = C  
1101 = 13 = D  
1110 = 14 = E  
1111 = 15 = F

15 / 2 = 7 (1)  
7 / 2 = 3 (1)  
3 / 2 = 1 (1)  
1 / 2 = 0 (1)111110 / 2 = 5 (0)  
5 / 2 = 2 (1)  
2 / 2 = 1 (0)  
1 / 2 = 0 (1)1010