Examples

Tuesday, January 23, 2024 9:54 PM

81 → binary

$81/2 = 40$ R1

$\frac{40}{2} = 20$ R0

$\frac{20}{2} = 10$ R0

$\frac{10}{2} = 5$ R0

$\frac{5}{2} = 2$ R1

$\frac{2}{2} = 1$ R0

$\frac{1}{2} = 0$ R1

1010001

0
0
1
0
1

A
16^0 1

Dec. 10

1001 → Decimal

1 0 0 1

2^3 2^2 2^1 2^0

$(1\times2^3)+(0\times2^2)+(0\times2^1)+(1\times2^0)$

$8+0+0+1 = 9$

4C → decimal

$(4\times16^1)+(c\times16^0)$

$(4\times16^1)+(12\times16^0)$

$64+12 = 76$

$\frac{76}{2}$ R

$= 0$ R1

c o d e

~~99 111 100 101~~

63 6F 64 65