

0
1
2
3
4
5
6
7
8
9
10

$$\begin{matrix} 100 & 10 & 1 \\ 10^2 & 10^1 & 10^0 \\ (424)_{10} \end{matrix}$$

$$\begin{array}{r} 4 \times 100 = 400 \\ 2 \times 10 = 20 \\ 4 \times 1 = 4 \\ \hline 424 \end{array}$$

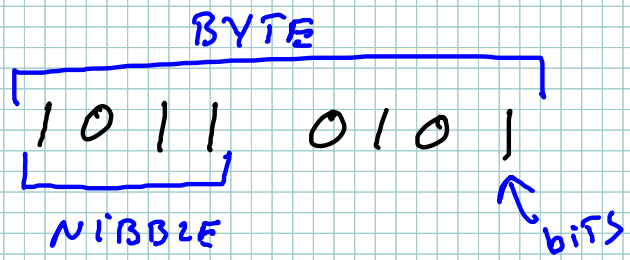
0
1
2
3
4
10

$$2551$$
$$(5^2 5^1 5^0)$$
$$(424)_5$$

$$4 \times 25 = 100$$
$$2 \times 5 = 10$$
$$4 \times 1 = 4$$

$$(114)_{10}$$

0
1
10



128	64	32	16	8	4	2	1
2^7	2^6	2^5	2^4	2^3	2^2	2^1	2^0
1	0	1	1	0	1	0	1

2
128
32
16
4
1

(181)₁₀

$$\begin{array}{r}
 181 \\
 -128 \\
 \hline
 53 \\
 32 \\
 \hline
 21 \\
 16 \\
 \hline
 5
 \end{array}$$

$$(181)_{10}$$

128	64	32	16	8	4	2	1
1	0	1	1	0	1	0	1

$$\begin{array}{cc}
 (1011 & 0101)_2 \\
 \text{B} & \text{5}
 \end{array}$$

0 0 0 0 0 0
1 1 0 0 0 1
2 2 0 0 1 0
3 3 0 0 1 1
4 4 0 1 0 0
5 5 0 1 0 1
6 6 0 1 1 0
7 7 0 1 1 1

8 8 1 0 0 0
9 9 1 0 0 1
A 10 1 0 1 0 ABLE
B 11 1 0 1 1 BAKER
C 12 1 1 0 0 CHARLIE
D 13 1 1 0 1 DOG
E 14 1 1 1 0 EASY
F 15 1 1 1 1 FOX

$(\overset{16^1}{B} \overset{16^0}{5})_{16}$ HEXADECIMAL
HEX

$$\begin{aligned} B \times 16^1 &= B \times 16 = 11 \times 16 = 176 \\ 5 \times 16^0 &= 5 \times 1 = 5 \\ &= \frac{5}{(181)_{10}} \end{aligned}$$

1 0 1 1 0 1 0 1

0000

0001

0010

0011

0100

0101

0110

0111

1000

1001

1010

1011

1100

1101

1110

1111