

$$123_{10} \rightarrow 1111011_2 \rightarrow 7B_{16}$$

n	d	Q	R
123	2	61,5	1
61	2	30,5	1
30	2	15	0
15	2	7,5	1
7	2	3,5	1
3	2	1,5	1
1	2	0,5	1
0			

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

$64 + 32 + 16 + 8 + 2 + 1$
 \swarrow
 123

123 : 16 Q R

0	0	0	0	0	0
0	0	0	1	1	1
0	0	1	0	2	2
0	0	1	1	3	3
0	1	0	0	4	4
0	1	0	1	5	5
0	1	1	0	6	6
0	1	1	1	7	7
1	0	0	0	8	8
1	0	0	1	9	9
1	0	1	0	10	A
1	0	1	1	11	B
1	1	0	0	12	C
1	1	0	1	13	D
1	1	1	0	14	E
1	1	1	1	15	F

$$\begin{array}{r}
 0 + \\
 \underline{1} \\
 1
 \end{array}
 \qquad
 \begin{array}{r}
 1 + \\
 \underline{1} \\
 10 + \\
 \underline{1} \\
 11 \\
 \underline{1} \\
 100
 \end{array}$$

nibble

byte

$$123_{10} \rightarrow \overbrace{01111}^7 \overbrace{1011}^B = 7B_{16}$$

$$7B_{16}$$

$$B \cdot \cancel{16}^0 + 7 \cdot 16^1 =$$

$$11 + 7 \cdot 16 = 123$$