

① $92.25_{10} = 5C.4_{16}$

64 32 16 8 4 2 1 $\frac{1}{2}$ $\frac{1}{4}$

$01011100.0100_2 = 5C.4_{16}$

$$\begin{array}{r} 92.25 \\ - 64 \\ \hline 28.25 \\ - 16 \\ \hline 12.25 \\ - 8 \\ \hline 4.25 \\ - 4 \\ \hline 0.25 \end{array}$$

② $37.875_{10} = 25.875_{16}$

32 16 8 4 2 1 $\frac{1}{2}$ $\frac{1}{4}$ $\frac{1}{8}$

$00110111.1110_2 = 25.875_{16}$

③ $001011_2 = 11_{10}$

$+ 101110_2 = 46_{10}$

$111001_2 = 57_{10} \checkmark$

$0101 = 5_{10}$

$\times 1101 = \times 13_{10}$

$$\begin{array}{r} 0101 \\ \times 1101 \\ \hline 0101 \\ 011001 \\ 0101 \\ \hline 1000001 = 65_{10} \checkmark \end{array}$$

64 32 16 8 4 2 1

(4)	4	3	2	1	ALT
0	0	0	0	0	
1	0	0	0	1	
2	0	0	1	0	
3	0	1	0	0	0011
4	1	0	0	0	0101
5	1	0	0	1	0110
6	1	0	1	0	0111
7	1	1	0	0	1011
8	1	1	0	1	
9	1	1	1	0	

$$276_{10} = 0010 \ 1100 \ 1010$$

$$\begin{array}{rcl}
 \textcircled{5} & 11_{10} = 001011_2 & \\
 - 21_{10} = -(010101)_2 & \Rightarrow + & \begin{array}{r}
 \begin{array}{c} 1 \quad 1 \quad 1 \\
 001011 \\
 101011 \\
 \hline
 110110
 \end{array} \\
 - (001010) = -10_{10} \checkmark
 \end{array}
 \end{array}$$