

$$\begin{array}{r}
 \textcircled{1} \quad 92.25 \\
 - 64 \\
 \hline
 28.25 \\
 - 16 \\
 \hline
 12.25 \\
 - 8 \\
 \hline
 4.25 \\
 - 4 \\
 \hline
 0.25
 \end{array}
 \quad
 \begin{array}{cccccccc}
 64 & 32 & 16 & 8 & 4 & 2 & 1 & \frac{1}{2} & \frac{1}{4} \\
 0 & 1 & 0 & 1 & 1 & 1 & 0 & 0 & 1 & 0 & 0 & 2
 \end{array}
 = 5C.4_{16}$$

$$\textcircled{2} \quad 37. E_{16} = \begin{array}{cccccccc} & 32 & 16 & 8 & 4 & 2 & 1 & \frac{1}{2} & \frac{1}{4} & \frac{1}{8} \\ 0 & 0 & 1 & 1 & 0 & 1 & 1 & 1 & 1 & 0 & 2 \end{array} = 55.875_{10}$$

$$\begin{array}{r}
 \textcircled{3} \quad 001011_2 = 11_{10} \\
 + 101110_2 = 46_{10} \\
 \hline
 111001_2 = 57_{10} \checkmark
 \end{array}$$

$$\begin{array}{r}
 0101 = 5_{10} \\
 \times 1101 = \times 13_{10} \\
 \hline
 0101 \\
 011001 \\
 \hline
 0101 \\
 1000001 = 65_{10} \checkmark
 \end{array}$$

(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	

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

$$\begin{aligned}
 (5) \quad 11_{10} &= 001011_2 \\
 - 21_{10} &= -(010101)_2 \\
 \hline
 &= -10_{10}
 \end{aligned}
 \Rightarrow + \begin{array}{r}
 \begin{array}{ccccccc}
 & & 1 & & 1 & & 1 \\
 0 & 0 & 1 & 0 & 1 & 1 & \\
 \hline
 1 & 0 & 1 & 0 & 1 & 1 & \\
 \hline
 1 & 1 & 0 & 1 & 1 & 0 &
 \end{array} \\
 -(001010) = -10_{10} \checkmark
 \end{array}$$