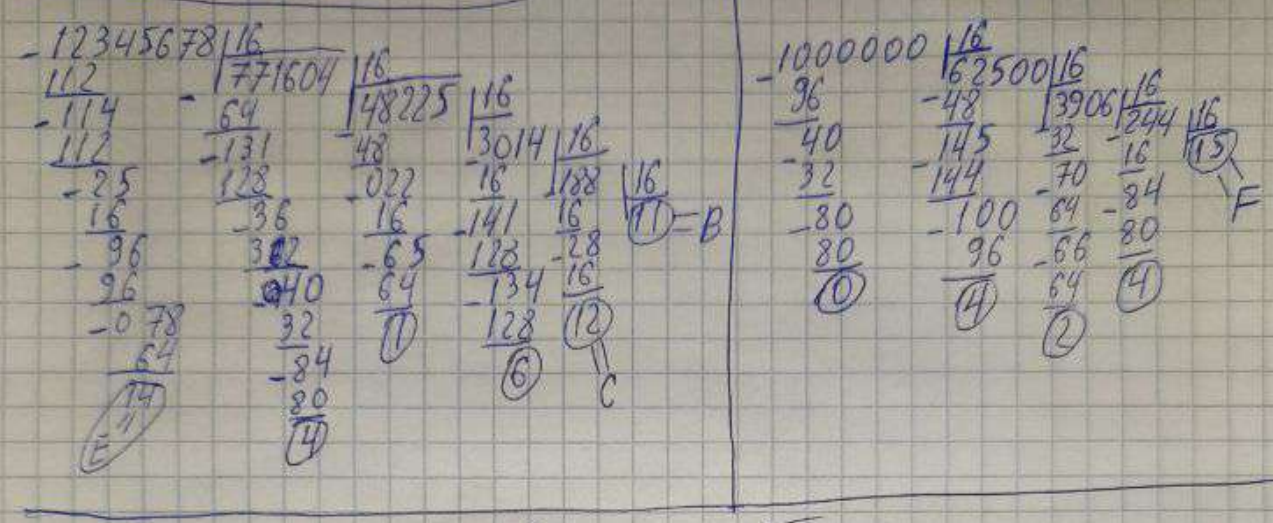
Задание №1

$12345678_{10} = BC614E_{16}$

$1000000_{10} = F4240_{16}$



Задание №2

$12345678_{16} = 16^7 + 12 \cdot 16^6) + \ldots + (8 \cdot 16^0) = 305419896_{10}$

$1000000_{16} = 16^6 = 16777216_{10}$

Задание №3

A = Сушеные цветы

B - Мед

C - Хлеб

$X = (A \& B) \& (C + \bar{C}) = A \& B$

Задание №6

$X = (B \to A) \cdot (\overline{A + B}) \cdot (A \to C) = (\bar{B} + A) \cdot \bar{A}\bar{B} \cdot (\bar{A} + C) = \bar{A}\bar{B} \cdot (\bar{A} + C) =$

$= \bar{A}\bar{B} + \bar{A}\bar{B}C = \bar{A}\bar{B} \cdot (1 + C) = \boxed{\bar{A} \cdot \bar{B}}$

A	B	C	D	E	F	G
A→B=!A||B						
A	B	A→B		!A	B	!A||B
0	0	1		1	0	1
0	1	1		1	1	1
1	0	0		0	0	0
1	1	1		0	1	1
A ↔ B = (A && B) || (!A && !B)						
A	B	A ↔ B		(A && B)	(!A && !B)	(A && B) || (!A && !B)
0	0	1		0	1	1
0	1	0		0	0	0
1	0	0		0	0	0
1	1	1		1	0	1
Задача №5