a) $+0,4 + 0,1 = 0,5_{10}$

$0,1_{10} = 0,\overline{00011}_2$ $\quad 0,4_{10} = 0,0110_2$

$0,1_{10} \rightarrow 1,10011 \times 10^{-100} \rightarrow 0,0\overline{1100} \cdot 10^{-10}$

$0,4_{10} \rightarrow 1,10\overline{0110} \times 10^{-10}$

$1,1001100$

$0,0110011$

$10,1111111$

$127 + (-2) = 125_{10} \rightarrow 01111101$

0 01111101 11111111111111111111111

b) $18 + (-8)$

$18_{10} \rightarrow 10010$ $\quad -8 \rightarrow 1000$

$1,0010 \cdot 10^{100}$ $\quad - 0,1000 \cdot 10^{100}$

$01,10010$

$-\ 0,1000$

~~$1,1010$~~

$0,1010 \cdot 10^{100} \rightarrow 1010_{(2)} \rightarrow 10_{(10)}$

0 10000010 01000000000000000000000