3.) 59999901

0.10110011 | 10011001 | 10011001 | 00000001

$_2$ 1.0110011001100110011001

Base 10: ~~$0\times2^{0}+(1\times2^{-1})+$~~

~~$1\times2^{0}+0\times2^{-1}+1\times2^{-2}+1\times2^{-3}+1\times2^{-6}+1\times2^{-7}+1\times2^{-10}$~~

~~$+1\times2^{-11}+1\times2^{-14}$~~

$1\times2^{0}+1\times2^{-2}+1\times2^{-3}+1\times2^{-6}+1\times2^{-7}+1\times2^{-10}+1\times2^{-11}+1\times2^{-14}+$
$1\times2^{-15}+1\times2^{-18}+1\times2^{-19}+1\times2^{-22}$

Base 10: 1.399999857

4.) 59999902

10.11001100110011001100 1

$1\times2^{1}+0\times2^{0}+1\times2^{-1}+1\times2^{-2}+0\times2^{-3}+0\times2^{-4}+1\times2^{-5}+1\times2^{-6}+$
$0\times2^{-7}+0\times2^{-8}+1\times2^{-9}+1\times2^{-10}+0\times2^{-11}+0\times2^{-12}+1\times2^{-13}+1\times2^{-14}+$
$0\times2^{-15}+0\times2^{-16}+1\times2^{-17}+1\times2^{-18}+0\times2^{-19}+0\times2^{-20}+1\times2^{-21}$

Base 10: 2.799999713897705078 13

5.) A66667FE

1.01001 10 | 01100110 | 01100111 | 11111110

15 12

$-0.01001100110011001100111 \times 2^{-27}$

$-0.00000000000000000000000000000001001100110011001100111$

Base 10: 0.000000000279396776 55