1.) 2.875

$2 \div 2 = 1 R 0$

$1 \div 2 = 0 R 1$

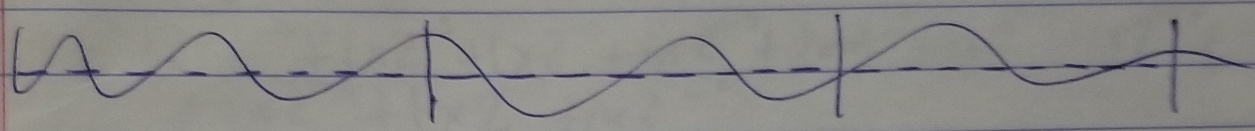
$0.875 \times 16 = 14 = E = 0.E_{16}$

$0.875 \times 8 = 7 = 0.7_8$

$0.E_{16} = 0.1110$

Base 2 → 10.111_2
Base 8 → 2.7_8
Base 16 → $2.E_{16}$

0.10111×2^2



0.1011100 | 00000000 | 00000000 | 00000010

5 C 0 0 0 0 0 2

pfloat: 5C000002

negative: DC000002

2.) 0.1796875

$0.1796875 \times 16 = 2.875_{16}$

$= 0.2875_{16}$

~~$0.1796875 \times 2 = 0.359375$~~

~~$0.359375 \times 2 = 0.71875$~~

~~$0.71875 \times 2 = 1.4375$~~

$1.4375 \times 2 =$

$0.875 \times 16 = 14 = E$

Base 16 $0.2E_{16}$

Base 2 0.0010111_2

Base 8 0.134_8

0.10111×2^{-2}

0.1011100 | 00000000 | 00000000 | 00000010

5 C 0 0 0 0 8 2

pfloat = 5C000082

nfloat = DC000082