1.1

二进制： 10 位

八进制： 4 位

十六进制： 3 位

1.4

$(101.011)_2 = (5.375)_{10}$

$(110.101)_2 = (6.625)_{10}$

$(1111.1111)_2 = (15.9375)_{10}$

$(1001.0101)_2 = (9.3125)_{10}$

1.6

$(8C)_{16} = (10001100)_2$

$(3D.BE)_{16} = (111101.10111110)_2$

$(8F.FF)_{16} = (10001111.11111111)_2$

$(10.00)_{16} = (10000)_2$

1.9

$(25.7)_{10} = (11001.1011)_2 = (1A.B333)_{16}$

$(188.875)_{10} = (10111100.1110)_2 = (BC.E000)_{16}$

$(107.39)_{10} = (1101011.0110)_2 = (6B.63D7)_{16}$

$(174.06)_{10} = (10101110.0001)_2 = (AE.0F5C)_{16}$

1.11

原码	反码	补码
$(011011)_2$	$(011011)_2$	$(011011)_2$
$(001010)_2$	$(001010)_2$	$(001010)_2$
$(111011)_2$	$(100100)_2$	$(100101)_2$
$(101010)_2$	$(110101)_2$	$(110110)_2$

1.12

$(+17) = (00010001)_2$

$(-13) = (11110011)_2$

$(-121) = (10000111)_2$

1.13

$00011101 + 01001100 = 01101001$

$11011101 + 01001011 = 00101000$

$11111001 + 10001000 = 10000001\ abs = 127$

1.15

$12 - 7 = 01100 + 11001 = (00101)_2 = (5)_{10}$

$9 - 12 = 01001 + 10100 = (11101)_2 = (-3)_{10}$

$-12 - 5 = 110100 + 111011 = (101111)_2 = (-17)_{10}$