

b. 0x4D200000

0100 0000 0010 0000 0000 0000 0000 0000

+ 128

21

$$1.01 \cdot 2^1 = 2.02$$

b) 0x41020000

0 100 0001 0000 0010 0000 0000 0000 0000

23

§. 125

c) $0 \times C1060000$

1 100 0001 0000 0110 0000 0050 0000 0000

- 23

- 6.375

- 0.375

d) 0xBD900000

Sign exponent

Martissa

$$- \quad 2^{-4} \quad -6.25 \times 2^{-4}$$

7. 2.0

$$10.0 \times 2^0$$

$$1.0 \times 2^1$$

0 1000 0000 0000 0000 0000 .0000 0000

b. 45.0

$$1.01101.$$

$$1.01101 \times 2^5$$

0.10000100 01101000 0000 0000 0000 000

c. 61.01

$$111101$$

0 106000100, 111010600000 101000111101,

Sign exponent mantissa

d. -18.375

$$100010$$

$$+ 01101$$

$$\begin{array}{r} 1 \\ 0.1110. \end{array}$$

1 1000 0011 00100110000 0000 0000 0000

sign exponent mantissa

8. Numbers beyond the scope of what the implemented excess 127 allows

