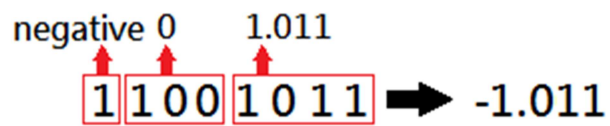


1. a. 1100.101 b. 0.1001

2. -1.011



3. a. $-8.75 = -1000.11_b = -1.00011_b \times 2^3 \rightarrow 1\ 111\ 1000$

Ans: 11111000 has truncation error

b. $1.125 = 1.001_b = 1.001_b \times 2^0 \rightarrow 0\ 100\ 1001$

Ans: 01001001