#Convey in floating point

1. 33.33

for before decimal

33/2 = 16 | 1

16/2 = 8 | 0

8/2 = 4 | 0

4/2 = 2 | 0

2/2 = 1 | 0

1/2 = 0 | 1

for after decimal

0.33 x 2 = .66 | 0

.66 x 2 = 1.32 | 1

.32 x 2 = .64 | 0

.64 x 2 = 1.28 | 1

.28 X 2 = .56 | 0

.56 x 2 = 1.12 | 1

.12 x 2 = .24 | 0

.24 x 2 = .48 | 0

.48 x 2 = .96 | 0

.96 x 2 = 1.92 | 1

.92 x 2 = 1.84 | 1

.84 x 2 = 1.68 | 1

.68 x 2 = 1.36 | 1

.36 x 2 = .72 | 0

.72 x 2 = 1.44 | 1

.44 x 2 = .88 | 0

.88 x 2 = 1.76 | 1

.76 x 2 = 1.52 | 1

now, normalizing form

1.00001010101000111101011x2101

in floating point format:

0 00000101 00001010101000111101011