

9-9-14

192.75₁₀

128 64 32 16 8 4 2 1
11000000.11₂

192.75₁₀
11000000.11₂
300.68
C0.C16

(96) r0
2 192
-14
12
→ (48) r0
2 96
-4
16
→ (24) r0
2 48
→ (12) r0
2 24
→ (6) r0
2 12
→ (3) r0
2 6
→ (1) r1
2 3
2
1 r1

128
64
192

.75
2
1.50
2
1.00

0.5
0.25
0.75

~~1100~~ 01100000.110
300.68

11000000.1100
C0.C16

FE.DB₁₆

0111 1110.1101 1011₂
376.6668

128 64 32 16 8 4 2 1
1111 1110.1101 1011₂
13 4
124 4
64 -10
32
16 10
8 10
4 10
2
254.857142857142

254.857142₁₀
1111 1110.1101 1011₂
376.6668
FE.DB₁₆

861

9-9-14

$$\begin{array}{r} 76.54_8 \\ \text{11} \quad \text{101} \quad \text{100}^{\circ} \\ \hline \text{00111} \quad \text{110} \cdot \quad \text{B} \quad \text{0}_{16} \\ \hline 3 \quad E \cdot \quad B \quad 0_{16} \end{array}$$

$$\begin{array}{l} 62.6875_{10} \\ 111110.1011_2 \\ 76.54_8 \\ 3E.B_{16} \end{array}$$

$$\begin{aligned} & 3 \cdot 16^1 + E \cdot 16^0 + B \cdot 16^{-1} \\ & 48 + E + B \cdot (0.0625) \\ & 48 + 14 + 11(0.0625) \end{aligned}$$

$$\begin{array}{r} .6250 \\ :0625 \\ \hline 62 + 0.6875 \end{array}$$

$$62.6875_{10}$$

$$\begin{array}{r} 011110.01111_2 \\ \hline 3 \quad 6 \cdot \quad 3 \quad 6_8 \end{array}$$

$$\begin{array}{l} 11110.01111_2 \\ 30.46875_{10} \\ 36.36_8 \\ 1E.78_{16} \end{array}$$

$$\begin{array}{r} 00011 \quad 110 \cdot \quad 011 \quad 11000 \\ \hline 1 \quad E \cdot \quad 7 \quad 8_{16} \end{array}$$

$$1 \cdot 16^1 + E \cdot 16^0 + 7 \cdot 16^{-1} + 8 \cdot 16^{-2}$$

$$\begin{array}{r} 0.03125 \\ 0.43750 \\ \hline 0.46875 \end{array}$$

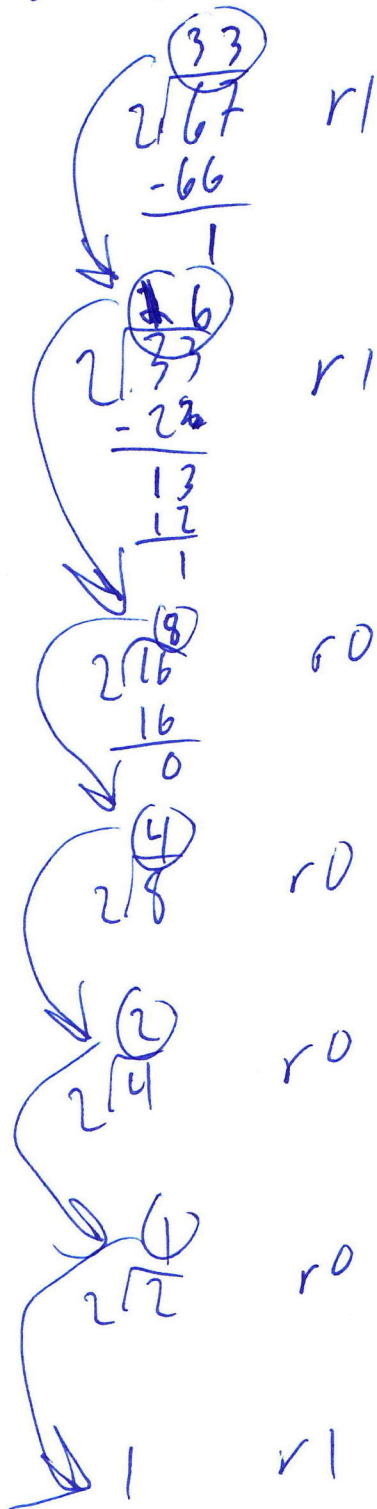
$$16 + E + 7 \cdot (0.0625) + 8 \cdot (0.00390625)$$

$$16 + 14 + (0.4375) + (0.03125)$$

$$30 + 0.46875 = 30.46875_{10}$$

862

67.1₁₀



9-9-14
 001000011.00011001100110011
 3.06314638

$$\begin{array}{r} .1 \\ \times 2 \\ \hline 0.2 \\ 2 \\ \hline 0.4 \\ 2 \\ \hline 0.8 \\ 2 \\ \hline 1.6 \\ 2 \\ \hline 1.2 \\ 2 \\ \hline 0.4 \\ 2 \\ \hline 0.8 \\ 2 \\ \hline 1.6 \\ 2 \\ \hline 1.2 \\ 2 \\ \hline 0.4 \\ 2 \\ \hline 0.8 \\ 2 \\ \hline 1.6 \\ 2 \\ \hline 1.2 \end{array}$$

67.1₁₀
 103.063148
 43.1916
 1000011.000112

01000011.00011001100110011001100110011001100110011001100110011
 43.1916
 1000011.000112