

9-9-14

192.75₁₀

128 64 32 16 8 4 2 1
11000000.11₂

(96) r0
 2 | 192
 -14

 12
 (48) r0
 2 | 96
 -4

 16
 (24) r0
 2 | 48
 -4

 12
 (12) r0
 2 | 24
 -4

 6
 (6) r0
 2 | 12
 -4

 3
 (3) r0
 2 | 6
 -4

 1
 (1) r1
 2 | 3
 -2

 1
 1 r1

128
 64

 192

~~0.75~~
 0.5
 0.25

 0.75
 1.50
 2

 1.00

192.75₁₀
 11000000.11₂
 300.68
 C0.C16

~~70.75~~

~~1100~~ 01100000.110
 300.68

11000000.1100
 C0.C16

128 64 32 16 8 4 2 1
 1111 1110
 13 124 4
 64 -10
 32
 16 -10
 8 -10
 4 -10
 2
 254.857142857142
 1101 1010
 50000000
 25000000
 06250000
 03125000
 00781250
 00390625
 00195312
 00097656
 00048828
 00024414
 00012207
 00006103
 00003051
 00001526
 00000763
 00000381
 00000190
 00000095
 00000048
 00000024
 00000012
 00000006
 00000003
 00000001
 00000000

FE.DB₁₆
 0111 1110.1101 1011₂
 376.6668

254.857142₁₀
 1111 1110.110110110110₂
 376.6668
 FE.DB₁₆

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9-9-14

$$\begin{array}{r} 76.548 \\ \hline 111110.10110020 \\ \hline 3E.B0_{16} \end{array}$$

$$3 \cdot 16^1 + E \cdot 16^0 + B \cdot 16^{-1}$$

$$48 + E + B \cdot (0.0625)$$

$$48 + 14 + 11(0.0625)$$

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

$$62.6875_{10}$$

$$\begin{array}{r} 011110.011110 \\ \hline 36.368 \end{array}$$

$$\begin{array}{r} 00011110.01111000 \\ \hline 1E.78_{16} \end{array}$$

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

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

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

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

$$\begin{array}{l} 62.6875_{10} \\ 111110.1011_2 \\ 76.548 \\ 3E.B_{16} \end{array}$$

$$\begin{array}{l} 11110.0111_2 \\ 30.46875_{10} \\ 36.368 \\ 1E.78_{16} \end{array}$$

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

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