

Day 1 (July 2, 2012)

$$\underbrace{21.3}_4 = \underbrace{2 \cdot 4 + 1 \cdot 1 + 3 \cdot \frac{1}{4}}_{\text{base 10}} = 9\frac{3}{4}$$

base-4 decimal

We can even multiply base-4 decimals in the usual ways.

$$\begin{array}{r} 21.3 \\ \times \quad 2 \\ \hline 103.2 \end{array}$$