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Lab 2 Conversions

$.25_{10} = .01_2 = .2_8 = .4_{16}$

$.25 \times 2 = .5_2 \qquad .01_2 = .2_8$
$.5 \times 2 = 1 \qquad .0100_2 = .4_{16}$
$.01_2$

$.25_8 = .328125_{10} = .010101_2 = .54_{16}$

$.25_8 = \frac{2}{8} + \frac{5}{64} = .328125_{10}$

$.25_8 = .\underline{010101}_2 \qquad .\underline{01010100}_2 = .54_{16}$

$.25_{16} = .14453125_{10} = .00100101_2 = .112_8$

$.25_{16} = \frac{2}{16} + \frac{5}{256} = \frac{37}{256} = .14453125_{10}$

$.25_{16} = .00100101_2$
$.\underline{00}1\underline{00}1\underline{01}0_2 = .112_8$

$.1101_2 = .D_{16} = .64_8 = .8125_{10}$

$.1101_2 = .D_{16}$

$1101_2 = 13_{10}$
$= D$

$.1101_2 = \frac{1}{2} + \frac{1}{4} + \frac{0}{8} + \frac{1}{16} = \frac{13}{16} = .8125_{10}$

$.\underline{110}1\underline{00}_2 = .64_8$