① $0.25_{10} = 0.01_2 = 0.2_8 = 0.4_{16}$

Base 2

$0.25 \times 2 = 0.50$ 0

$0.50 \times 2 = 1.00$ 1 $= 0.01_2$

Base 8

From ① $0.01_2 = 0.010_2 = 0.2_8$

Base 16

From ① $0.01_2 = 0.0100_2 = 0.4_{16}$

② 0.25_8

To base 10

$0.25_8 = \frac{2}{8} + \frac{5}{8^2} = 0.328125_{10}$

0.328125_{10}

To base 2 |

$0.328125_{10} \times 2 = 0.65625$ 0

$0.65625 \times 2 = 1.3125$ 1

$0.3125 \times 2 = 0.625$ 0

$0.625 \times 2 = 1.25$ 1

$0.25 \times 2 = 0.50$ 0

$0.5 \times 2 = 1$ 1

$0.25_8 = 0.010101_2$

To base 16

$0.010101 = 0.0101\ 01$

$5 \quad 4 = 0.54_{16}$

$0.25_8 = 0.010101_2 = 0.328125_{10} = 0.54_{16}$

Ire

3 0.25_{16}

$= 2/16 + 2/16^2 = 0.14453125_{10}$

0.14453125	x 2 = 0.2890625	0
0.2890625	x 2 = 0.578125	0
0.578125	x 2 = 1.15625	1
0.15625	x 2 = 0.3125	0
0.3125	x 2 = 0.625	0
0.625	x 2 = 1.25	1
0.25	x 2 = 0.50	0
0.50	x 2 = 1	1

0.001 001 001

1 1 2 $= 0.112_8$

$0.25_{16} = 0.00100101_2 = 0.112_8 = 0.14453125_{10}$

4 0.1101_2

0. 110 1 $= 0.64_8$

6 4

$0.64 = 6/8 + 4/8^2 = 0.8125_{10}$

Base (16)

0. 1101

D.

$= 0.D_{16}$

$0.1101_2 = 0.64_8 = 0.8125_{10} = 0.D_{16}$