→ Decimal to binary

→ binary to octa

→ Decimal to binary Conversion (fraction)

→ (17.3750)

→ $(10001.011)_2$

2	17
2	8 → 1
2	4 → 0
2	2 → 0
2	1 → 0
2	0 → 1

→ .3750

0.3750 × 2 → 0.7500 → 0

0.7500 × 2 → 1.5000 → 1

0.5000 × 2 → 1.0000 → 1

top to bottom

Binary to decimal

$(10001.011)_2$ →

$2^4\ 2^3\ 2^2\ 2^1\ 2^0$

1 0 0 0 1

16 + 1 = 17

$2^{-1}\ 2^{-2}\ 2^{-3}$

(0 1 1)

$\frac{1}{2^2} + \frac{1}{2^3}$

0.25 + 0.125

0.375

17.375 ans

Decimal to octa (fractions)

$(175.27)_{10}$ → $(257.2121)_8$

2 | 175

2
16.
12

2 | 17
8 | 21 → 7
8 | 2 → 5
8 | 0 → 2

·27

·27 × 8 = 2.16 → 2
·16 × 8 = 1.28 → 1
·28 × 8 = 2.24 = 2
·24 × 8 = 1.92 = 1
0.92 × 8 =

Octa to binary (fraction)

L R

$(11.32)_{16}$ ↔ $(1001.0111)_2$

001 001

011 100