Divisor (21)8:010001

Remainder (94)8: 11/100

Shift to the left so it is now

remaindr 195

OGGODI the

10000 the remaider is less than O. so add remainder to the 10000 left by 1-bit. it is now 000011 110000.

2) 000011 -10001 Shiff to the left agam. so it is now 0000111 100000.

- 3) 000111 Shift to the left again because rounide is -10001 less than O. It is now 00001111 000000.
- 4) 00/11/1 Shift to the Left again, 0/1/10 000000.

011110 remainder is greater than I so shift to the -10001 left add I to the quotient.

It is now 011010 000001.

5/10/0 greater Hom 1 so shift and add lagaine -10001 it is now 0/00/0 000011.

Shift right by \$ / position to the left of the remainder it is now 001001 000011.

The octal equivalent to the remainder in binary 00/001 is 11 and the quotient in octal is 3.