

Conversion:

→ If one radix is power of other radix
start right, take groups of size ratio of powers

Ex: Binary (2^1) Octal (2^3)
 $10100101001 = \underline{010} \underline{100} \underline{101} \underline{001} = 2451$

→ If not:

Binary to decimal - multiply & add up powers of 2
Decimal to binary - identify powers of 2
OR repeatedly divide by 2