Binary Numbers

- Base 2 Number Representation
 - Represent 15213₁₀ in Binary
 - To convert we use a sequence of divisions by powers of 2:

$$7021 - 2^{12} = 7021 - 4096 = 2925$$

$$877 - 512 = 365$$
 (Note we can't divide by 1024)

$$5-4=1$$

$$1 - 1 = 0$$

11101101101101

1	20
2	2 ¹
4	2 ²
8	2 ³
16	24
32	2 ⁵
64	2 ⁶
128	27
256	2 ⁸
512	2 ⁹
1024	2 ¹⁰
2048	2 ¹¹
4096	2 ¹²
8192	2 ¹³
16384	214