

Binary Place Value Chart

Base-2 Numeral System Reference

128S	64S	32S	16S	8S	4S	2S	1S
2^7	2^6	2^5	2^4	2^3	2^2	2^1	2^0
128	64	32	16	8	4	2	1

Quick Reference:

- **Bit:** A single binary digit (0 or 1).
- **Byte:** A group of 8 bits (represented by the 8 columns above).
- **Calculation:** Multiply the digit (0 or 1) by its column value, then sum all products.