Storage Visual Examples

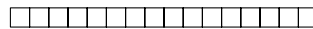| 1	2	3	4	5	6	7	8

Eight bits equals one byte.

There are 2^8 (256) different possible values for 8 bits. When unsigned, it has possible values ranging from 0 to 255; when signed, it has -128 to 127. Eight-bit CPUs use an 8-bit data bus and can therefore access 8 bits of data in a single machine instruction. https://en.wikipedia.org/wiki/8-bit_computing
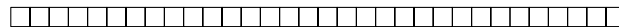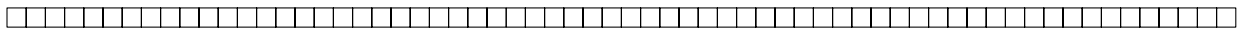
8 bits

16 bits

32 bits

64 bits

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