

235

Diagram illustrating the expansion of the decimal number 235 into its base-10 components. Red arrows point from the digits 2, 3, and 5 to their respective terms in the sum below.

$$1 \times 10^2 + 3 \times 10^1 + 5 \times 10^0$$

11101011

Diagram illustrating the expansion of the binary number 11101011 into its base-2 components. Red arrows point from each digit of the binary number to its corresponding term in the sum below.

$$1 \times 2^7 + 1 \times 2^6 + 1 \times 2^5 + 0 \times 2^4 + 1 \times 2^3 + 0 \times 2^2 + 1 \times 2^1 + 1 \times 2^0$$