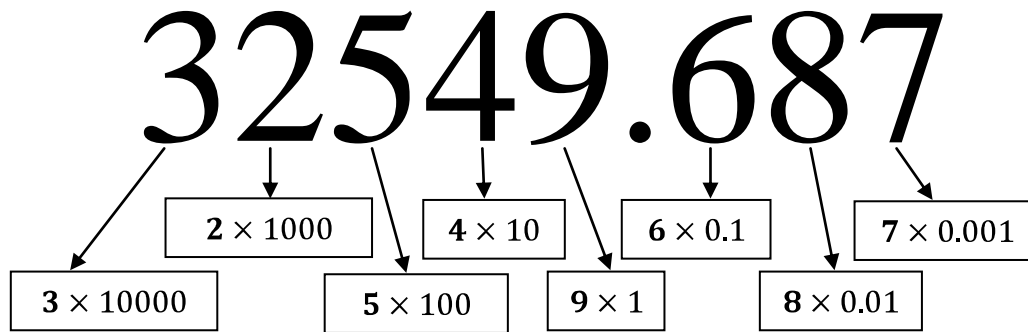


Decimal Representation of Numbers

Any number can be represented in the decimal (or denary) system. The decimal system works in base 10, and it is the most common method of representing numbers in human communication.

The decimal system can best be illustrated by using an example. For example



That is $32549.687 = 3 \times 10000 + 2 \times 1000 + 5 \times 100 + 4 \times 10 + 9 \times 1 + 5 \times 0.1 + 8 \times 0.01 + 7 \times 0.001$.

The position of each digit may also be interpreted as the coefficient of each power of 10.

