

* 1.1. Exploring large numbers

CHAPTER 1

Alavi

The world's all-time best-selling copyright book is Guinness World Records.

From October 1955 to June 2002, 94 767 083 copies were sold.

Suppose the number is written in this place-value chart. Where will the digits 9 and 4 appear?



Hundred Millions	Ten Millions	Millions	Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones

These patterns in the place-value system may help you read and write large whole numbers.

- From right to left, each group of 3 place values is called a period.
- Within each period, the digits of a number are read as hundreds, tens, and ones.
- Each position represents ten times as many as the position to its right, for example, 2 hundreds = 20 tens and 4 ten thousands = 40 thousands.

This place-value chart shows the number of items in the world's largest collection of matchbook covers, 3 159 119.

Millions Period			Thousands Period			Units Period		
Hundreds	Tens	Ones	Hundreds	Tens	Ones	Hundreds	Tens	Ones
		3	1	5	9	1	1	9
		↑	↑	↑	↑	↑	↑	↑
		3 000 000	100 000	50 000	9000	100	10	9

We read this number as:

three million one hundred fifty-nine thousand one hundred nineteen.