



MathSmart
Guide
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Chapter 1

Whole Numbers to 100 000

1.1 Writing Numbers to 100 000

In this unit, your child will learn the concept of place value in whole numbers up to 100 000. He or she will then be required to solve problems related to whole numbers up to 100 000.

At the beginning, you should encourage your child to use a place value chart to display a number. Using a place value chart can help him or her see clearly the value of each digit in a number. After that, you can teach your child how to represent a number in three other ways.

Place Value Chart

When writing a five-digit number, remember to leave a space between the hundreds and the thousands digits.

a space
25 368

e.g. Write 25 368.

Thousands					
Hundred	Ten	One	Hundreds	Tens	Ones
	2	5	3	6	8



- 8 in the ones place means 8.
- 6 in the tens place means 60.
- 3 in the hundreds place means 300.
- 5 in the thousands place means 5000.
- 2 in the ten thousands place means 20 000.

Writing Numbers in Three Ways

In standard form : 25 368

In expanded form : 20 000 + 5000 + 300 + 60 + 8

In words : twenty-five thousand
three hundred sixty-eight

Writing numbers in expanded form shows the value of each digit.

e.g. Write the number that is in the place value chart in three ways.

Thousands					
Hundred	Ten	One	Hundreds	Tens	Ones
	3	2	0	8	0

In standard form : 32 080

In expanded form : 30 000 + 2000 + 80

In words : thirty-two thousand eighty

