REPRESENTING NUMBERS, PLACE, & VALUE

place value **place name**

In every number, each digit is in a different **place**. The **place value** of the digit is the name of its place. It tells what the place is worth.

3,014,297

millions
hundred thousands
ten thousands
thousands
hundreds
tens
ones

value

Each digit in a number has a certain **value**. The value tells what the digit is worth.

3,014,297

The **place value** of the 4 is thousands.

The **value** of the 4 is 4,000.

When you **represent** a number, you are showing it in some way.

3,014,297

standard form

When you use digits to write a number, you are writing the number in **standard form**.

3,000,000 + 10,000 + 4,000 + 200 + 90 + 7

expanded form **expanded notation**

You can represent a number as a number sentence that tells how much each digit is worth. This is called **expanded form** or **expanded notation**.

three million, fourteen thousand, two hundred ninety-seven

word form

You can also represent numbers using words, in **word form**.