

# Place Value

| Billions         |              |             | Millions         |              |             | Thousands         |               |              | Ones    |      |      | Decimals |            |             |
|------------------|--------------|-------------|------------------|--------------|-------------|-------------------|---------------|--------------|---------|------|------|----------|------------|-------------|
| Hundred Billions | Ten Billions | One Billion | Hundred Millions | Ten Millions | One Million | Hundred Thousands | Ten Thousands | One Thousand | Hundred | Tens | Ones | Tenths   | Hundredths | Thousandths |
|                  |              |             |                  |              |             |                   |               |              |         |      |      |          |            |             |



Numbers are grouped in periods or families.

The number families are ones, thousands, millions, billions (and decimals.)

There are three places in each number family: ones, tens, and hundreds.



Numbers can be expressed in 3 different forms:

## Standard Form

Numbers written as you would normally see them

7,986,345.62

## Word Form

Numbers written in words (as they would be read)

seven million, nine hundred eighty-six thousand, three hundred forty-five, and sixty two hundredths

## Expanded Form

Numbers written by adding the value of each number separately.

$7,000,000 + 900,000 + 80,000 + 6,000 + 300 + 40 + 5 + 0.6 + 0.02$