

vizle



<https://vizle.offnote.co>

Contact us: [vizle@offnote.co](mailto:vizle@offnote.co)

This document was generated automatically by **Vizle**

Your **Personal Video Reader Assistant**

Learn from Videos **Faster** and **Smarter**

### VIZLE PRO / BIZ

- Convert *entire* videos <sup>PDF, PPT</sup>
- *Customize* to retain all essential content
- Include Spoken *Transcripts*
- Customer support

Visit <https://vizle.offnote.co/pricing> to learn more

### VIZLE FREE PLAN

- Convert videos *partially* <sup>PDF only</sup>
- Slides may be *skipped*\*
- Usage restrictions
- No Customer support

Visit <https://vizle.offnote.co> to try free

**Login to Vizle** to unlock more slides\*



Place-value and period names help you read and write numbers.



→ **Standard Form** : 384,402

→ **Word Form** : Three hundred eighty-four thousand, four hundred two.

→ **Expanded Form** :  $300,000 + 80,000 + 4,000 + 400 + 2$

### Examples

Standard form	Word form	Expanded form
40,915	forty thousand, nine hundred fifteen	$40,000 + 900 + 10 + 5$
→ → 607,304	six hundred seven thousand, three hundred four	$600,000 + 7,000 + 300 + 4$

Vizle

**Example 1**

What is the place and value of each underlined digit ?

583,460,905

**Solution**



Place : Ten Millions  
Value : 80 million

Place : Ten Thousands  
Value : 60 thousand

583,460,905

Place : Millions  
Value : 3 million

Place : Tens  
Value : 0 ten

### Milliard [Billion]

China has the world's largest population  
In 1980, the population of China reached  
about **1,000,000,000**



or in a short way :

7 milliard, 794 million, 798 thousand, 739



## Example 2

In the numeral 3,418,079,265, what digit in the :

- a. Thousands place ?
- b. Ten Millions place ?
- c. Billiards place ?
- d. Hundred Thousands place ?

### Solution



- a. 9
- b. 1
- c. 3
- d. 0

## How to read a large number ?

- Divide the number [from right to left] into "periods" each period contains 3 digits.
- Use the place-value chart to help you read the large number.

6,208,196,318

PERIOD			PERIOD			PERIOD			
MILLIARDS	MILLIONS		THOUSANDS			ONES			
	H	T	O	H	T	O	H	T	O
0	2	0	8	1	9	6	3	1	8

- A digit in one place represents 10 times as much as it represents in the place to its right.



**For example :** the Hundreds place is 10 times greater than the Tens place, so the value of 2 changes from 20 to 200.

- Observe the pattern in the number of zeroes.

**Example :** Use place value chart to know the value of each digit.

MILLIONS			THOUSANDS			ONES		
H	T	O	H	T	O	H	T	O
1	4	9	5	9	8	0	0	0

- The value of the digit 8 in the Thousands place is 8,000
- The value of the digit 9 in the Ten Thousands place is 90,000
- The value of the digit 5 in the Hundred Thousand place is 500,000
- The value of the digit 9 in the Millions place is 9,000,000
- The value of the digit 4 in the Ten Millions place is 40,000,000
- The value of the digit 1 in the Hundred Millions place is 100,000,000



The distance between the Earth and the Sun is about 149,598,000 km



### Example 5

In the number 555,555 :

- In which place is the 5 has a value of 10 times greater than the 5 in the Hundreds place ?
- In which place is the 5 has a value of 100 times greater than the 5 in the Tens place ?
- In which place is the 5 has a value of 1,000 times greater than the 5 in the Hundreds place ?

**Solution** 

- a. Thousands place

THOUSANDS			ONES		
H	T	O	H	T	O
5	5	5	5	5	5

$\times 10$

THOUSANDS			ONES		
-----------	--	--	------	--	--

**Check** your understanding

1. In the number 33,333 :

a. In which place is the 3 has a value of 100 times greater than 3 in the Hundreds place ?

*Ten thousands place*

b. In which place is the 3 has a value of 1,000 times greater than the 3 in the Ones place ?

*Thousands place*

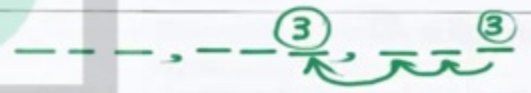
2. Fill in the blank below :

a. The number that is 100 times greater than 12 million is  $12,000,000 \times 100$

b. The number that is 10 times greater than 125 million is \_\_\_\_\_

c. [5 hundreds and 3 tens]  $\times 1,000 =$  \_\_\_\_\_

d. 35 ten thousands  $\times 100 =$  \_\_\_\_\_







<https://vizle.offnote.co>

Contact us: [vizle@offnote.co](mailto:vizle@offnote.co)

This document was generated automatically by **Vizle**

Your **Personal Video Reader Assistant**

Learn from Videos **Faster** and **Smarter**

### VIZLE PRO / BIZ

- Convert *entire* videos <sup>PDF, PPT</sup>
- *Customize* to retain all essential content
- Include Spoken *Transcripts*
- Customer support

Visit <https://vizle.offnote.co/pricing> to learn more

### VIZLE FREE PLAN

- Convert videos *partially* <sup>PDF only</sup>
- Slides may be *skipped*\*
- Usage restrictions
- No Customer support

Visit <https://vizle.offnote.co> to try free

**Login to Vizle** to unlock more slides\*