

SESSION : 4
CLASS : IV
SUBJECT : MATHEMATICS
CHAPTER NUMBER : 2
CHAPTER NAME : NUMBERS
**SUBTOPIC : EXPLANATION OF INTERNATIONAL
PLACE VALUE SYSTEM,
COMPARISON BETWEEN INDIAN AND
INTERNATIONAL SYSTEM**

CHANGING YOUR TOMORROW

LEARNING OBJECTIVE

- Enable the students to understand the Indian and International place value system.
- Comparison between Indian and International place value system.

Indian Number System

| Periods | Crores | | Lakhs | | Thousands | | Ones | | |
|----------------|------------|--------|-----------|-------|---------------|-----------|----------|------|------|
| | Ten Crores | Crores | Ten lakhs | Lakhs | Ten Thousands | Thousands | Hundreds | Tens | Ones |
| Numbers | | | | | | | | | |
| One | | | | | | | | | 1 |
| Ten | | | | | | | | 1 | 0 |
| 1 Hundred | | | | | | | 1 | 0 | 0 |
| 1 Thousand | | | | | | 1, | 0 | 0 | 0 |
| 10 Thousand | | | | | 1 | 0, | 0 | 0 | 0 |
| 1 Lakh | | | | 1, | 0 | 0, | 0 | 0 | 0 |
| 10 Lakh | | | 1 | 0, | 0 | 0, | 0 | 0 | 0 |
| 1 Crore | | 1, | 0 | 0, | 0 | 0, | 0 | 0 | 0 |
| 10 Crore | 1, | 0, | 0 | 0, | 0 | 0, | 0 | 0 | 0 |

Indian Place Value Chart

To separate the periods, we insert commas between them

International System

| Periods | Millions | | | Thousands | | | Ones | | |
|----------------|------------------|--------------|----------|-------------------|---------------|-----------|----------|------|------|
| Place value | Hundred Millions | Ten Millions | Millions | Hundred Thousands | Ten Thousands | Thousands | Hundreds | Tens | Ones |
| Numbers | | | | | | | | | |
| One | | | | | | | | | 1 |
| Ten | | | | | | | | 1 | 0 |
| 1 Hundred | | | | | | | 1 | 0 | 0 |
| 1 Thousand | | | | | | 1, | 0 | 0 | 0 |
| 10 Thousand | | | | | 1 | 0, | 0 | 0 | 0 |
| 100 Thousand | | | | 1, | 0 | 0, | 0 | 0 | 0 |
| 1 Millions | | | 1 | 0, | 0 | 0, | 0 | 0 | 0 |
| 10 Millions | | 1, | 0 | 0, | 0 | 0, | 0 | 0 | 0 |
| 100 Millions | 1, | 0, | 0 | 0, | 0 | 0, | 0 | 0 | 0 |

International Place Value Chart

To separate the periods, we insert commas between them

Indian Number System

| Periods | Crores | | Lakhs | | Thousands | | Ones | | |
|----------------|------------|--------|-----------|-------|---------------|-----------|----------|------|------|
| | Ten Crores | Crores | Ten lakhs | Lakhs | Ten Thousands | Thousands | Hundreds | Tens | Ones |
| Numbers | | | | | | | | | |
| One | | | | | | | | | 1 |
| Ten | | | | | | | | 1 | 0 |
| 1 Hundred | | | | | | | 1 | 0 | 0 |
| 1 Thousand | | | | | | 1, | 0 | 0 | 0 |
| 10 Thousand | | | | | 1 | 0, | 0 | 0 | 0 |
| 1 Lakh | | | | 1, | 0 | 0, | 0 | 0 | 0 |
| 10 Lakh | | | 1 | 0, | 0 | 0, | 0 | 0 | 0 |
| 1 Crore | | 1, | 0 | 0, | 0 | 0, | 0 | 0 | 0 |
| 10 Crore | 1 | 0, | 0 | 0, | 0 | 0, | 0 | 0 | 0 |

International System



| Periods | Millions | | | Thousands | | | Ones | | |
|----------------|------------------|--------------|----------|-------------------|---------------|-----------|----------|------|------|
| | Hundred Millions | Ten Millions | Millions | Hundred Thousands | Ten Thousands | Thousands | Hundreds | Tens | Ones |
| Numbers | | | | | | | | | |
| One | | | | | | | | | 1 |
| Ten | | | | | | | | 1 | 0 |
| 1 Hundred | | | | | | | 1 | 0 | 0 |
| 1 Thousand | | | | | | 1, | 0 | 0 | 0 |
| 10 Thousand | | | | | 1 | 0, | 0 | 0 | 0 |
| 1 Lakh | | | | 1, | 0 | 0, | 0 | 0 | 0 |
| 10 Lakh | | | 1 | 0, | 0 | 0, | 0 | 0 | 0 |
| 1 Crore | | 1, | 0 | 0, | 0 | 0, | 0 | 0 | 0 |
| 10 Crore | 1 | 0, | 0 | 0, | 0 | 0, | 0 | 0 | 0 |

International System

One's Period – First 3 digits

Thousand's Period – Next 3 digits

Million's Period – Next 3 digits

Compare

Indian System

| | |
|---------------------|--------------------|
| One's Period – | First 3 digits |
| Thousand's Period – | Next 2 digits |
| Lakh's Period – | Next 2 digits |
| Crore's Period – | Digits after lakhs |

International System

| | |
|---------------------|----------------|
| One's Period – | First 3 digits |
| Thousand's Period – | Next 3 digits |
| Million's Period – | Next 3 digits |

International System

Remember, according to the international place value chart

10 lakh = **1 Million**

1 Crore = **10 Million**

10 Crore = **100 Million**

Example - 1

Write the period and place of 4 in the following numbers according to the Indian Number System.

26,478

Solution

| Thousands | | Ones | | |
|-----------|----|------|---|---|
| TTh | Th | H | T | O |
| 2 | 6, | 4 | 7 | 8 |

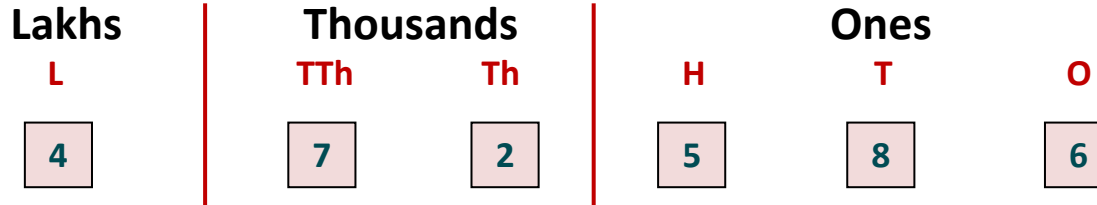
Clearly, place of the digit **4** is **hundred** and the period of the digit **4** is **ones**.

Example - 2

Separate the periods of the following numbers by putting commas according to the Indian Number System.

472586

Solution



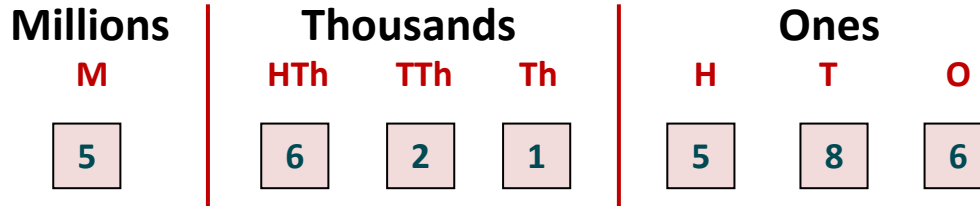
Ans. 4,72,586

Example - 3

Separate the periods of the following numbers by putting commas according to the International Number System.

5621586

Solution



Ans. 5,621,586

Example - 4

Write the following numbers in Figures.

Four lakh twenty seven thousand six hundred twenty four

Solution

| Lakhs | Thousands | | Ones | | |
|-------|-----------|----|------|---|---|
| L | TTh | Th | H | T | O |
| 4 | 2 | 7 | 6 | 2 | 4 |

Ans. 4,27,624

HOME ASSIGNMENT:

- Practice Indian and International number system.

LEARNING OUTCOME:

Students are able to recall their previous class knowledge about 4-digit numbers.

THANKING YOU
ODM EDUCATIONAL GROUP