

Girls' High School and College, Prayagraj

Work Sheet 3

Session-(2020-2021)

Class 5 A to 5 F

Chapter-Numbers

Topic: International system of numeration

- *Parents are expected to ensure that the child understands the International system of numeration and is able to do the exercises.*
- *Kindly ensure the completion of worksheet.*

NOTES

- As per International numeration system, the first comma is placed after the hundreds place.
Commas are then placed after every three digits.
- 1. Values of the places in the International system of numeration are Ones, Tens, Hundreds, Thousands, Ten Thousands, Hundred Thousands, Millions, Ten millions and so on.
1 million = 1000 thousand,
1 billion = 1000 millions.

Place value chart

Numbers	10000000	1000000	100000	10000	1000	100	10	0
International Numeration	Ten Million	Million	Hundred Thousand	Ten Thousand	Thousand	Hundred	Ten	Ones

- The first period, called ones period, is formed with the first 3 digits of the number.

- The second period, called thousands period, is formed with the next 3 digits of the number.
- The third period, called millions period, is formed with the digits after thousands.

COMPARISON BETWEEN INDIAN AND INTERNATIONAL SYSTEM OF NUMERATION

Shown below is a chart with a comparison between Indian and International system:

Crores		Lakhs		Thousands		Ones		
Ten Crores (TC) (10,00,00,000)	Crores (C) (1,00,00,000)	Ten Lakhs (TL) (10,00,000)	Lakhs (L) (1,00,000)	Ten Thousands (TTh) (10,000)	Thousands (Th) (1000)	Hundreds (H) (100)	Tens (T) (10)	Ones (O) (1)
Millions			Thousands			Ones		
Hundred Millions (HM) (100,000,000)	Ten Millions (TM) (10,000,000)	Millions (M) (1,000,000)	Hundred Thousands (HTh) (100,000)	Ten Thousands (TTh) (10,000)	Thousands (Th) (1,000)	Hundreds (H) (100)	Tens (T) (10)	Ones (O) (1)

Let us consider some examples

Example 1: Using the International system, write the number; Six million, four hundred and eleven thousand, two hundred and sixty.

Solution: 6,411,260.

Example 2: Using the international system, read the number 7456123.

Solution:

7456123- Seven million Four Hundred Fifty six thousand one hundred twenty three.

Example 3: Write the number in words: 12,367,169.

Solution: Twelve million, three hundred and sixty-seven thousand, one hundred and sixty-nine.

Expanded Form

When each digit of a given number is written with its place value, we get the expanded form of the number.

Example: 341,697,832

We can expand any given number in three ways:

3 hundred million + 4 ten million + 1 million + 6 hundred thousand + 9 ten thousand + 7 thousand + 8 hundred + 3 ten + 2 one

Or

$3 \times 100,000,000 + 4 \times 10,000,000 + 1 \times 1,000,000 + 6 \times 100,000 + 9 \times 10,000 + 7 \times 1,000 + 8 \times 100 + 3 \times 10 + 2 \times 1$

Or

$300,000,000 + 40,000,000 + 1,000,000 + 600,000 + 90,000 + 7,000 + 800 + 30 + 2$

Q1 Write the number names of the following according to the International System of

Numeration.

1.13,567,234 -

2.410,015,000 -

3.61,000,030 -

4.750,011,045 -

5.89,126,665-

Q2 Write the following in figures according to International system of numeration.

1.Four million, two hundred and thirty-two thousand, four hundred and sixteen. _____

2.Twenty-five million, three hundred and twelve thousand, four hundred and twenty-two. _____.

3.Three hundred and fifteen million, one hundred and twenty-one thousand, eight hundred and ten. _____

4.Three hundred and twenty-five thousand, four hundred and two. _____.

5.Six hundred and twenty-five million, ten thousand, four hundred and sixty.____.

6. Nine Million.____.

7.Sixty-five million, fifty thousand and ten. _____.

8.Nine hundred and twenty thousand, four hundred and four .____.

9.Two hundred and three million, one hundred and five thousand and sixty-nine .____.

10. Ninety thousand, four hundred and ten.____.

Q3 Write in numerals in figure and words.(international system of numeration)

1. The largest 8 digit number.

2.The smallest 7 digit number.

Q4.Rewrite the following numbers placing comma (,) as per the International system:

(i) 124468

(ii) 342573

(iii) 7049879

(iv) 1465601

(v) 821426430

Q5. Rewrite the following numbers in the International system:

(i) 4,72,607

(ii) 11,52,583

(iii) 1,98,607

(iv) 2,50,832

(v) 96,34,227

Q6. Write the following numbers in expanded form.

1. 751,492,009

2. 789,409,090

Q7. Write the following numbers in a place value chart.

1. 209,343,338

2. 43,900,543

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