NUMBERS IN INDIAN AND INERNATIONAL SYSTEMS

SUBJECT : MATHEMATICS
CHAPTER NUMBER: 03
CHAPTER NAME : NUMBERS IN INDIAN AND INTERNATIONAL SYSTEMS
SUB TOPIC :Hindu-Arabic System of Numeration, International System of Numeration
PERIOD NO:1

Learning outcomes

*Students will be able to write numbers in Hindu-Arabic system of numeration.
*Students will be able to write numbers in international system of numeration

Crore		Lakhs		Thousand		ones		
Tc	C	TL	L	T Th	Th	4	T	O
6	4	3	8	9	4	7	2	5

International Place Value Chart

Periods	Millions			Thousands			Ones		
Places	Hundred Million	Ten Million	Million	Hundred Thousand	Ten Thousand	Thousand	Hundred	Tens	Unit
Numbers				7	0	2	8	4	5
	3	6	0	4	0	0	2	9	5

Place value Table
International System of Numeration

Comparison of Indian and International place value System

Indian Place Value System

CRORES		LAKHS		THOUSANDS		ONES		
TC	C	TL	L	T-TH	TH	H	T	O
		2	3	1	9	6	1	7

International Place Value Chart

MILLIONS			THOUSANDS			ONES		
HM	TM	M	HTh	TTh	Th	H	T	O
		2	3	1	9	6	1	7

Hindu Hindu-Arabic System of Numeration and International System of Numeration will be explained with the help of video
https://www.youtube.com/watch?v=-NCphKgoE3M
https://www.youtube.com/watch?v=jKo_NrYcAaA

Some Points to Remember

1.Do not write the periods in plural:

Never write 5493 as five thousands four hundreds ninety three.

Correct form is : Five thousand four hundred ninety three.

2. Do not use the word 'and before tens and ones:

Do not read 5493 as five thousand four hundred and ninety three.

Correct form is : Five thousand four hundred ninety three.

3. Do not put commas when writing the numeral :

Never write 2468 as two thousand, four hundred, sixty eight.

Correct way is : Two thousand four hundred sixty eight.

Evaluation Question

1. Write the following numerals using Indian System or International system (as required) in words:

(i) 4, 35, 342 = …………..

(ii) 36, 71, 430 = …………..

(iii) 4, 28, 30, 004 = …………..

(iv) 75, 132, 684 = ……………

(v) 815, 906 = …………….

Solution:

The given numbers in Indian System words can be written as follows:

(i) 4, 35, 342 = Four lakh, thirty five thousand, three hundred forty two

(ii) 36, 71, 430 = Thirty six lakh, seventy one thousand four hundred thirty

(iii) 4, 28, 30, 004 = Four crore, twenty eighty lakh, thirty thousand four

(iv) 75, 132, 684 = Seventy five million, one hundred thirty two thousand, six hundred eighty four

(v) 815, 906 = Eight hundred fifteen thousand, nine hundred six

Evaluation Question

2. Write the following numbers, placing the commas, according to Indian system :

(i) 835629 = …………

(ii) 35640254 = …………

(iii) 2826040 = ………

Solution:

Numbers placing the commas, according to Indian system can be written as follows:

(i) 835629 = 8, 35, 629

(ii) 35640254 = 3, 56, 40, 254

(iii) 2826040 = 28, 26, 040

Evaluation Question

3.Write the following numbers, by placing the commas, according to International system :

(i) 6509820 = ………..

(ii) 428140584 = …………

(iii) 63560981 = ……….

Solution:

Numbers placing the commas, according to International system are

(i) 6509820 = 6, 509, 820

(ii) 428140584 = 428, 140, 584

(iii) 63560981 = 63, 560, 981

AHA

1. The successor of 1 million is

(a) 2 millions (b) 1000001 (c) 100001 (d) 10001

2. Place commas correctly and write the numerals:

 (a) Seventy three lakh seventy five thousand three hundred seven.

 (b) Nine crore five lakh forty one.

 (c) Seven crore fifty two lakh twenty one thousand three hundred two.

 (d) Fifty eight million four hundred twenty three thousand two hundred two.

 (e) Twenty three lakh thirty thousand ten.

3. Insert commas suitably and write the names according to Indian System of Numeration :

 (a) 87595762   (b) 8546283

(c) 99900046   (d) 98432701

HW
EX.3. Q.NO.4

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