

JENDER HEART HIGH SCHOOL, SEC 338, Chd.

Class - IV

Date - 8.04.24

Subject - Mathematics

Teacher - Ms. Sushma

Ch-1 Large Numbers

- The ten digits in the number system are 0, 1, 2, 3, 4, 5, 6, 7, 8 and 9.
- 0 is the smallest 1-digit number and 9 is the largest 1-digit number.

No. of digits	Smallest Counting Number	Largest Counting Number
1	1	9
2	10	99
3	100	999
4	1000	9999
5	10000	99999
6	100000	999999

Place Value Chart: →

Periods → Lakhs Period		Thousands period		Ones Period		
Places → Ten Lakhs	Lakhs	Ten Thousands	Thousands	Hundreds	Tens	Ones
TL	L	TTh	Th	H	T	O

10 ones = 1 ten
 10 tens = 1 hundred
 10 hundreds = 1 thousands
 10 thousands = 1 ten thousands
 10 ten thousands = 1 lakh
 10 lakhs = 1 ten lakh

1000 ones = 1 hundred
 100 tens = 1 thousand
 100 thousands = 1 lakh

- While writing large numbers, the digits of each period are separated using a comma.

eg:-

694537 is written as 6,94,537

Lakhs Period		Thousand Period		Ones Period		
TL	L	TTh	Th	H	T	O
	6	9	4	5	3	7

- Place value of a digit is the product of the digit and its place. (Position in the place value chart).

eg:- Place value of 9 in $\overset{L}{6}\overset{Th}{9}\overset{Th}{4}\overset{H}{5}\overset{T}{3}\overset{O}{7}$

is as 9 is in the ten thousand place

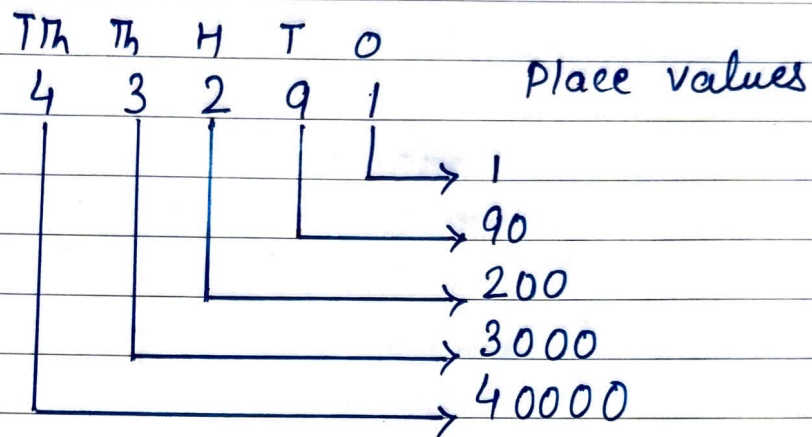
so. place value of 9 = 90,000

- Face Value of a number is the value of the number itself.

eg:- In the face value of 5 is 5 and not 500.

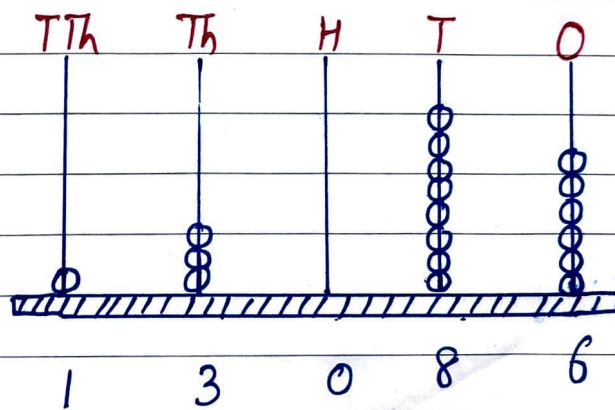
- Expanded form of a number is the sum of the place values of its digits.

eg:- Expanded form of 43291 is



Ans:- $43291 = 40000 + 3000 + 200 + 90 + 1$

5-digit numbers on the abacus



13086 is read as thirteen thousand eighty-six.

Exercise 1.1

A Mark the periods using commas and write in words.

1. $\begin{array}{ccccccc} \text{T} & \text{Th} & \text{H} & \text{T} & \text{O} \\ 3 & 6, & 3 & 8 & 2 \end{array} \rightarrow \text{Thirty-six thousand three hundred eighty-two.}$

2. $\begin{array}{ccccccc} \text{T} & \text{Th} & \text{H} & \text{T} & \text{O} \\ 7 & 1, & 9 & 9 & 5 \end{array} \rightarrow \text{Seventy-one thousand nine hundred ninety-five.}$

3. $\begin{array}{ccccccc} \text{T} & \text{Th} & \text{H} & \text{T} & \text{O} \\ 1 & 0, & 4 & 6 & 7 \end{array} \rightarrow \text{Ten thousand four hundred sixty-seven.}$

4. $\begin{array}{ccccccc} \text{T} & \text{Th} & \text{H} & \text{T} & \text{O} \\ 6 & 6, & 1 & 6 & 3 \end{array} \rightarrow \text{Sixty-six thousand one hundred sixty-three.}$

5. $\begin{array}{ccccccc} \text{T} & \text{Th} & \text{H} & \text{T} & \text{O} \\ 8 & 7, & 2 & 0 & 7 \end{array} \rightarrow \text{Eighty-seven thousand two hundred seven.}$

B Write in figures:-

1. thirty-six thousand four hundred twenty-nine

$\rightarrow 36,429$

2. forty-eight thousand nine hundred eight.

$\rightarrow 48,908$

3. eighty-five thousand forty-six.

$\rightarrow 85,046$

C. Write in the expanded form.

$$1. \begin{array}{cccc} \text{Th} & \text{Th} & \text{H} & \text{T} & \text{O} \\ 42,981 & \rightarrow & 40,000 & + & 2,000 & + & 900 & + & 80 & + & 1 \end{array}$$

$$2. \begin{array}{cccc} \text{Th} & \text{Th} & \text{H} & \text{T} & \text{O} \\ 56,321 & \rightarrow & 50,000 & + & 6,000 & + & 300 & + & 20 & + & 1 \end{array}$$

$$3. \begin{array}{cccc} \text{Th} & \text{Th} & \text{H} & \text{T} & \text{O} \\ 80,432 & \rightarrow & 80,000 & + & 0 & + & 400 & + & 30 & + & 2 \end{array}$$

$$4. \begin{array}{cccc} \text{Th} & \text{Th} & \text{H} & \text{T} & \text{O} \\ 64,321 & \rightarrow & 60,000 & + & 4,000 & + & 300 & + & 20 & + & 1 \end{array}$$

$$5. \begin{array}{cccc} \text{Th} & \text{Th} & \text{H} & \text{T} & \text{O} \\ 90,093 & \rightarrow & 90,000 & + & 0 & + & 0 & + & 90 & + & 3 \end{array}$$

D. Write in the ~~expand~~ standard form.

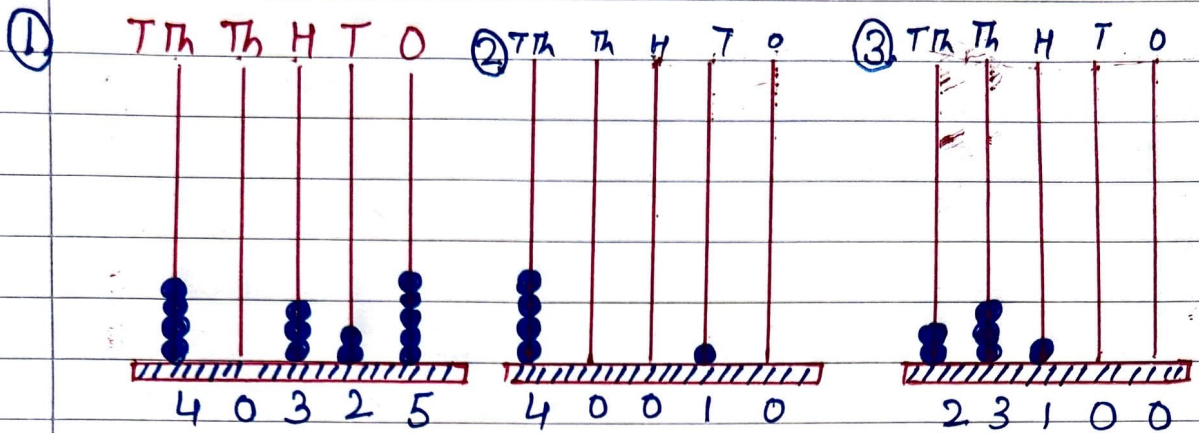
$$1. 50000 + 3000 + 400 + 50 + 3 \rightarrow 53,453$$

$$2. 30000 + 6000 + 500 + 8 \rightarrow 36,508$$

$$3. 40000 + 900 + 7 \rightarrow 40,907$$

$$4. 60000 + 800 + 40 + 1 \rightarrow 60,841$$

E. Look at the abacus and write the number

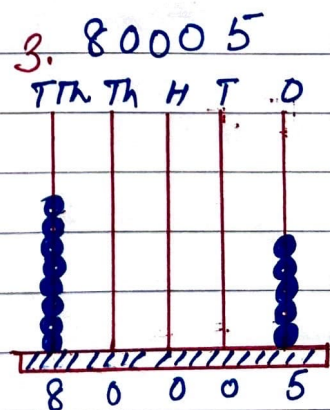


Ans:- i) 40,325 → Forty thousand three hundred twenty five.

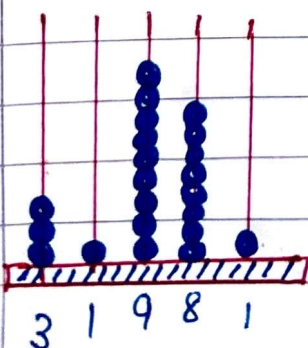
2) 40,010 → Forty thousand ten.

3) 23,100 → Twenty-three thousand one hundred

F. Represent these numbers on the abacus.



4. 31981



5. 57932

