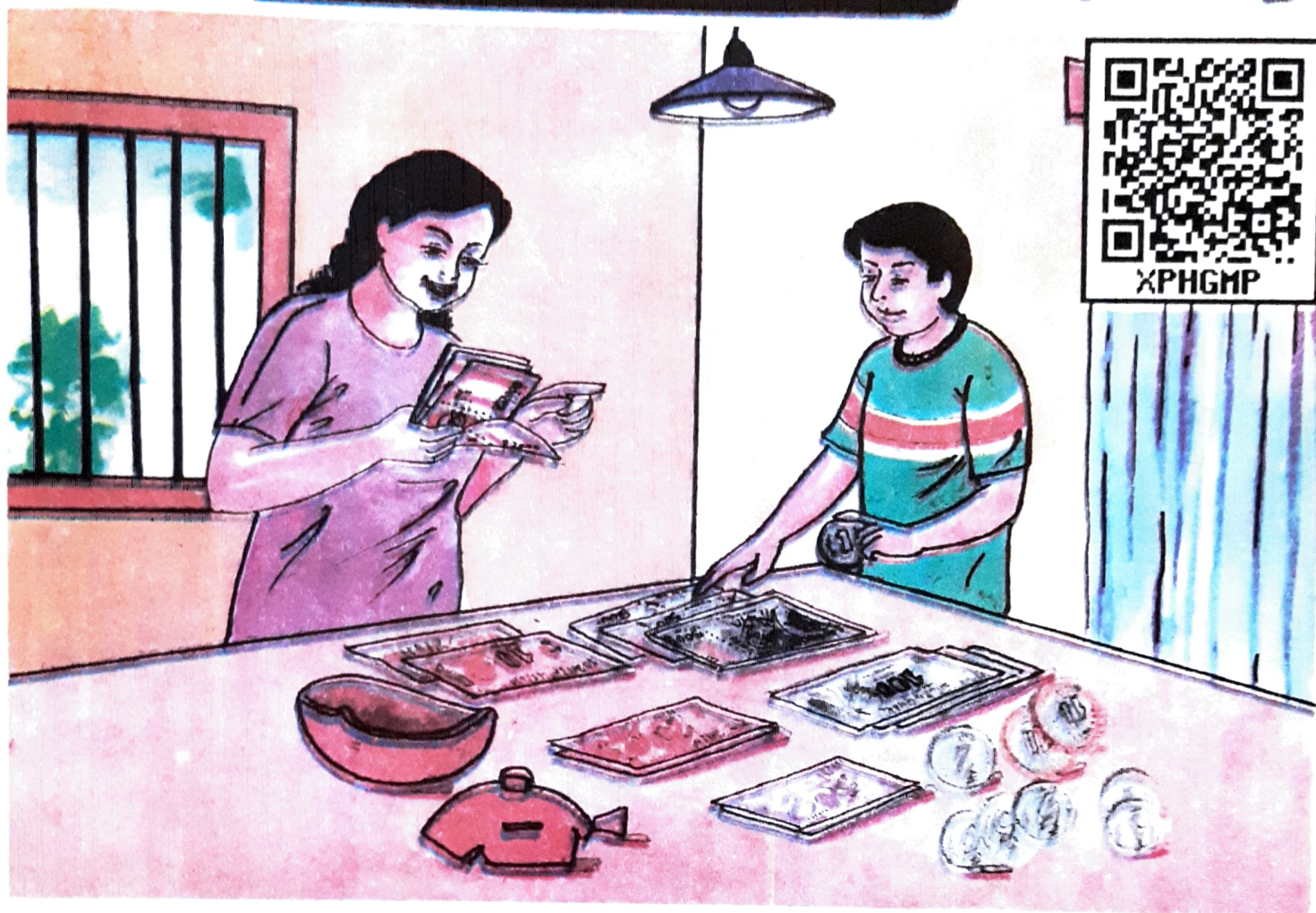




Sanchay and Sanchita broke their piggy bank. They found notes and coins of different values when it broke. They started counting. Total 9999 rupees were found in the piggy bank.

Sanchay said, "Today, Papa has given me one rupee coin. "What will be the value of total rupees if we add one more rupee to it?"

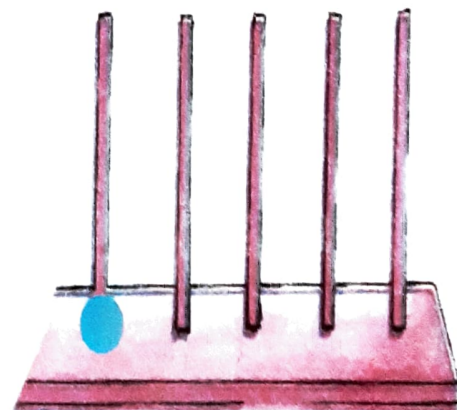
Both started adding -

$$9999 + 1 = 10000$$

Sanchita said, "now, we have 10,000 rupees in all."

It is read as - Ten thousand

Let's show the number 10000 on abacus -



T.Th Th H T O

Let's read this too — **45937**

T.Th	Th	H	T	O
4	5	9	3	7

Forty five thousand nine hundred thirty seven



Read yourself

● 34567

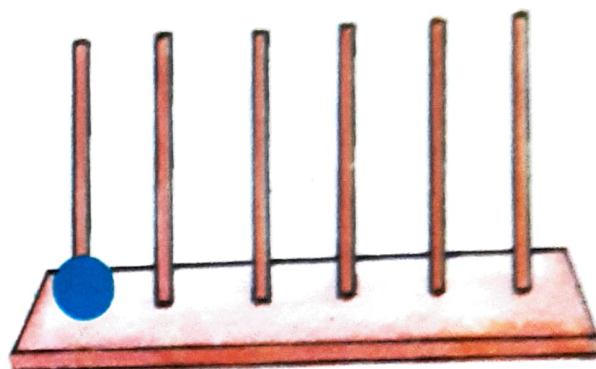
● 99999

Now add 1 to 99999 -

L	T.Th	Th	H	T	O
	9	9	9	9	9
				+	1
1	0	0	0	0	0

It is read as - One lakh

Let's show the number 100000 on Abacus -

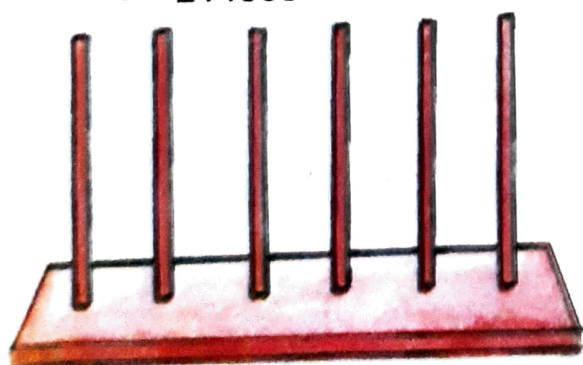


L T.Th Th H T O

Do it yourself

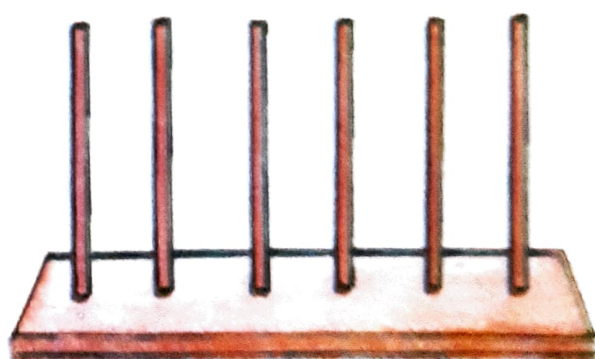
Read these numbers too and show them on abacus -

● 214356



L T.Th Th H T O

● 786117



L T.Th Th H T O

While reading any number, as we read digits of ones and tens place together. Similarly, digits of thousands and ten thousands place are read together, whereas digit at hundreds place is read alone.





Activity -

Make two groups of 6 children each. Distribute different number of marbles to each child of both the groups. Each child of the first group will write the number of marbles obtained at ones, tens and hundreds place respectively on the blackboard.

Suppose - If the first child of the first group gets seven marbles, he will write seven at ones place, second child gets 5 marbles, he will write 5 at tens place. All the children of the group will write in the same order.

Number formed by the first group - **462357**

In the same way the first child of the second group will write the number of marbles obtained at ones place then second, third and fourth child..... will write their numbers at tens, hundreds and thousands place..... respectively.

Number formed by the second group - **764532**

First Group							Second Group						
L	T.	Th	Th	H	T	O	L	T.	Th	Th	H	T	O
4	6	2	3	5	7		7	6	4	5	3	2	

Students will read the numbers obtained by the group and then write them in words in their notebooks.

 In the same way teacher should form the groups of students and make them practise to form and read more numbers.

Look and Understand-

Numbers		Lakhs	Ten thousands	Thousands	Hundreds	Tens	Ones
One digit	Smallest number						1
	Greatest number						9
Two digit	Smallest number					1	0
	Greatest number					9	9
Three digit	Smallest number				1	0	0
	Greatest number				9	9	9
Four digit	Smallest number			1	0	0	0
	Greatest number			9	9	9	9
Five digit	Smallest number		1	0	0	0	0
	Greatest number		9	9	9	9	9
Six digit	Smallest number	1	0	0	0	0	0
	Greatest number	9	9	9	9	9	9

Look at the table given above and tell -

- Which is the smallest number of one digit?
- Which is the smallest number of two digits?
- Write the greatest number of three digits.
- 99 is the greatest number of how many digits?
- 100 is the smallest number of how many digits?



Place value

Look and understand -

	L	T.Th	Th	H	T	O
Number	5	7	2	8	2	5



Place value of zero (0) will be zero whatever place it occupies.

- How many times has 5 is written in this number?
- What are the places of both the fives.?
- Is there any difference between the 5 written at ones place and 5 written at lakhs place?

Yes, this difference is due to their place values.

The place value of 5 at ones place $5 \times 1 = 5$

The place value of 5 at lakhs place $5 \times 100000 = 500000$

It can be shown like this too - 5 7 2 8 2 5


$$5 \times 100000 = 500000$$

$$5 \times 1 = 5$$

Do it yourself

- Place value of 3 in the number 630581 is
- Place value of 8 in the number 842310 is
- Place value of 0 in the number 703215 is

Let's know this too -

Face value of any digit is equal to the value of the digit itself and it does not change if the place is changed, whereas place value changes if the place is changed. For example -

5 4 2 3 5

Face value = 2

Place value = 200

Expanded Form

Let's see-

723546

Let's read this -

Seven lakh twenty three thousand five hundred forty six

We can write it in this way too -

7 lakhs + 2 ten thousands + 3 thousands + 5 hundreds + 4 tens + 6 ones

or $7 \times 100000 + 2 \times 10000 + 3 \times 1000 + 5 \times 100 + 4 \times 10 + 6 \times 1$

or $700000 + 20000 + 3000 + 500 + 40 + 6$ is the expanded form of number 723546

Now look and tell -

- How many zeroes are there in 7 lakhs?
- How many zeroes are there in 3 thousand?
- How many zeroes are there in 5 hundred?

We have learnt

- Reading and writing of five and six digit numbers.
- Finding out place value of five and six digit numbers.
- Writing five and six digit numbers in expanded form.

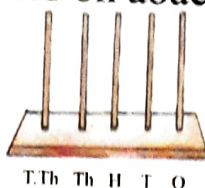
The teacher should discuss the different patterns while making the concept of expanded form clear.



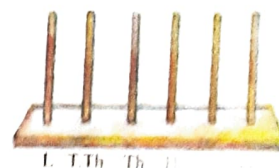
Exercise

1. Show the given numbers on abacus -

(a) 45792



(b) 742897



2. Fill in the blanks -

(a) 2865 = thousands + hundreds + tens + ones

(b) 84362 = 8 + 4 + 3 + 6 + 2

(c) 976781 = lakhs + ten thousands + thousands + hundreds + tens + ones

(d) 786232 = 7 + 8 + 6 + 2 + 3 + 2

3. Write in figures -

(a) Six thousand four hundred thirty =

(a) Fifty three thousand seven hundred one =

(c) Eight thousand thirteen =

(d) Eight lakh sixty two thousand five hundred sixty three =

4. Write the following numbers in words -

(a) 3576

(b) 7805

(c) 65018

(d) 87923

(e) 465347

(f) 589835

5- Blacken the circle given in front of the correct answer -

- (a) Two thousand three hundred one 231 ☐ 2300 ☐ 2301 ☐
- (b) Five thousand fifty six 5056 ☐ 556 ☐ 5506 ☐
- (c) Sixty nine thousand seven hundred ten 69701 ☐ 79710 ☐ 69710 ☐
- (d) Seventy eight thousand one 7800 ☐ 78001 ☐ 78100 ☐

6- Write the expanded form of following numbers -

- (a) 63574 = _____ + _____ + _____ + _____ + _____
- (b) 49763 = _____ + _____ + _____ + _____ + _____
- (c) 77934 = _____ + _____ + _____ + _____ + _____
- (d) 438325 = _____ + _____ + _____ + _____ + _____ + _____
- (e) 185039 = _____ + _____ + _____ + _____ + _____ + _____

7- Write the place value of underlined digits -

- (a) 9 6 7 4 3
- (b) 8 5 4 3 2
- (c) 4 6 0 7 8
- (d) 5 4 3 2 1 8

8- Write the place value of each digit in the number 99999.

9- The place value of a digit in a five digit number is 80000. The place value of the same digit at another place is 800. What are the places of that digit in the given number?

Project work -

Teacher should help the students to make an abacus with the help of thermocol, sticks and beads.

