



The tree plantation programme was celebrated in our state. In this programme nine lakh plants were planted in some district.

Rahul wrote the number nine lakh as — 900000

Now you read and write this number in words 999999

Now tell us what number will we get by adding 1 to this number ?

$$999999 + 1 = \dots\dots\dots$$

999999 is the greatest number of six digits.



Yes, if 1 is added to this number, it will become seven digit number.



Yes, this will be the smallest number of seven digits.



Well done! absolutely right...



As we read the number at ten thousands place after thousands place, similarly we read the number at ten lakhs place after lakhs place.

In the number 1000000, 1 is at the place of ten lakhs, so we read 1000000 as ten lakh.



Think and tell—

The greatest number of seven digits

Greatest number of six digits is formed when we write '9' six times - 999999



Okay. Then by writing '9' seven times the greatest number of seven digit will be formed like - 9999999



Absolutely right, the greatest number of seven digits is — 9999999

Let's read and write it in words —



In this way, $9999999 + 1 = 10000000$

Oh! yes, when we write seven zeros after 1, we get the smallest number of eight digits. But what will it be called ?



Definitely it would have some new name



10000000 is read as one crore.

Let's read and write these –

- 4689732 –
- 93121810 –

Place Value and Face Value

Let's understand – 5 2 3 4 5 6 8 5

Place value	5 crores	5 thousands	5 ones
Face value	5	5	5

We saw that the place value of 5 is different at different places, but the face value of 5 is 5 at all the places.



Do it yourself—Tell the place value and the face value of the underlined numbers

Number	Place Value	Face Value
● 567 <u>8</u> 9356		
● 31 <u>4</u> 5209		



Expanded Form

Let's see the eight digit number — 68734521

Read as— Six crore eighty seven lakh thirty four thousand five hundred twenty one.

It is written like this too— 6 crores + 8 ten lakhs + 7 lakhs + 3 ten thousands + 4 thousands + 5 hundreds + 2 tens + 1 ones

or $6 \times 10000000 + 8 \times 1000000 + 7 \times 100000 + 3 \times 10000 + 4 \times 1000 + 5 \times 100 + 2 \times 10 + 1 \times 1$

or $60000000 + 8000000 + 700000 + 30000 + 4000 + 500 + 20 + 1$

This is the expanded form of the number 68734521.

Let's understand this way too—

Expanded form = $30000000 + 2000000 + 800000 + 50000 + 9000 + 700 + 40 + 6$

In short form (standard form) it is written as = 32859746

and it is read as — Three crore twenty eight lakh fifty nine thousand seven hundred forty six



Do it yourself—

- How many zeroes are there in 6 crores ?
- Write the expanded form of 79465832
- Write the short form of $4000000 + 900000 + 50000 + 7000 + 200 + 40 + 8$

Comparison of numbers

Let's see— Which number is greater and which is smaller ?

562312

<

762312

5894321

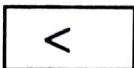
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589432



Look and understand—

43805492

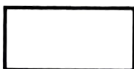


43850492



Do it yourself—

● 6589354



6580354

● 43893501



43893801

Ascending and Descending order

Let's arrange these numbers in ascending order—

86532464 ,

66532464 ,

76532461 ,

96532464

Compare the digits at crores place in the numbers given above—

8, 6, 7, 9

6 < 7 < 8 < 9

We can say that the ascending order of the numbers is —

66532464, 76532461, 86532464, 96532464

The reverse order of the ascending order is called descending order.

Can you write the descending order of the numbers given above ?

We have learnt

- Reading and writing of seven digit and eight digit numbers.
- To find the place value and the face value of each digit in any number.
- Writing expanded and short (standard) forms of 7 and 8 digit numbers.
- Forming numbers by using the given digits.
- Identifying and understanding smaller and greater numbers.
- Arranging the eight digit numbers in ascending and descending order.

Exercise



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1. Read the following numbers and write in words –

- (a) 437685 (b) 8635673 (c) 38905421
(d) 95637012 (e) 210579543 (f) 159632049

2. Write the following numbers in figures –

- (a) Thirty seven lakh fifteen thousand one hundred seven
(b) Sixty eight thousand five hundred seventy three
(c) Three crore seventy five lakh twenty seven thousand four hundred thirty four
(d) Thirty five crore ninety four lakh fifty nine thousand nine hundred one

3. Write the following numbers in expanded form –

- (a) 395432 = + + + + +
(b) 7931925 = + + + + + +
(c) 8765496 = + + + + + +

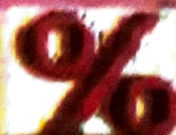
4. Write the following numbers in short form –

- (a) $4000000 + 200000 + 10000 + 8000 + 700 + 50 + 1$
(b) $90000000 + 9000000 + 700000 + 60000 + 5000 + 300 + 40$





Exercise



5. Find the place value of 9 in the following numbers-

- (a) 9654876 (b) 10879632 (c) 48752935

6. Put the correct sign ($>$ or $<$) in the boxes—

- | | | | |
|-----|-----------|----------------------|-----------|
| (a) | 8159632 | <input type="text"/> | 98654321 |
| (b) | 9054079 | <input type="text"/> | 9645179 |
| (c) | 765438601 | <input type="text"/> | 665138602 |
| (d) | 896300568 | <input type="text"/> | 896301568 |

7. Write the greatest and the smallest eight digit number using the numerals given below (without repeating any digit) —

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

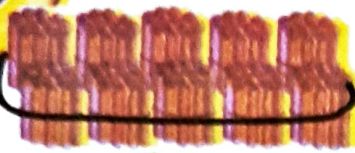


Zero becomes Hero

Hundreds

Tens

Ones



10 times
X 10



10 times
X 10



100

10

1



10 times

10 times

10 times

$$10 \times 100 = 1000$$

$$10 \times 10 = 100$$

$$10 \times 1 = 10$$

Now Do -

Lakhs

Ten Thousands

Thousands

Hundreds

Tens

Ones



—times

—times

—times

—times

—times

—times

—times

—times

—times

—times

—times

$$\underline{\quad} \times 10000 = 100000$$

$$\underline{\quad} \times 1000 = 10000$$

$$\underline{\quad} \times 100 = 1000$$

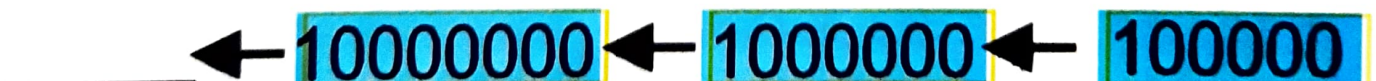
$$\underline{\quad} \times 10 = 100$$

$$10 \times 1 = 10$$

Crores

Ten Lakhs

Lakhs



—times

—times

—times

$$\underline{\quad} \times \underline{\quad} = \underline{\quad}$$

$$10 \times \underline{\quad} = 10000000$$

$$\underline{\quad} \times 100000 = 10000000$$

Teacher should make the children understand and practise that as a digit moves right to left in a number, its place value increases ten times and moving left to right in a number its place value decreases by 10 times in the number.

