

# PLACE VALUE

**SUBJECT : MATHEMATICS**  
**CHAPTER NUMBER: 04**  
**CHAPTER NAME : PLACE VALUE**  
**SUB TOPIC: Largest and Smallest numbers**  
**PERIOD NO:2**

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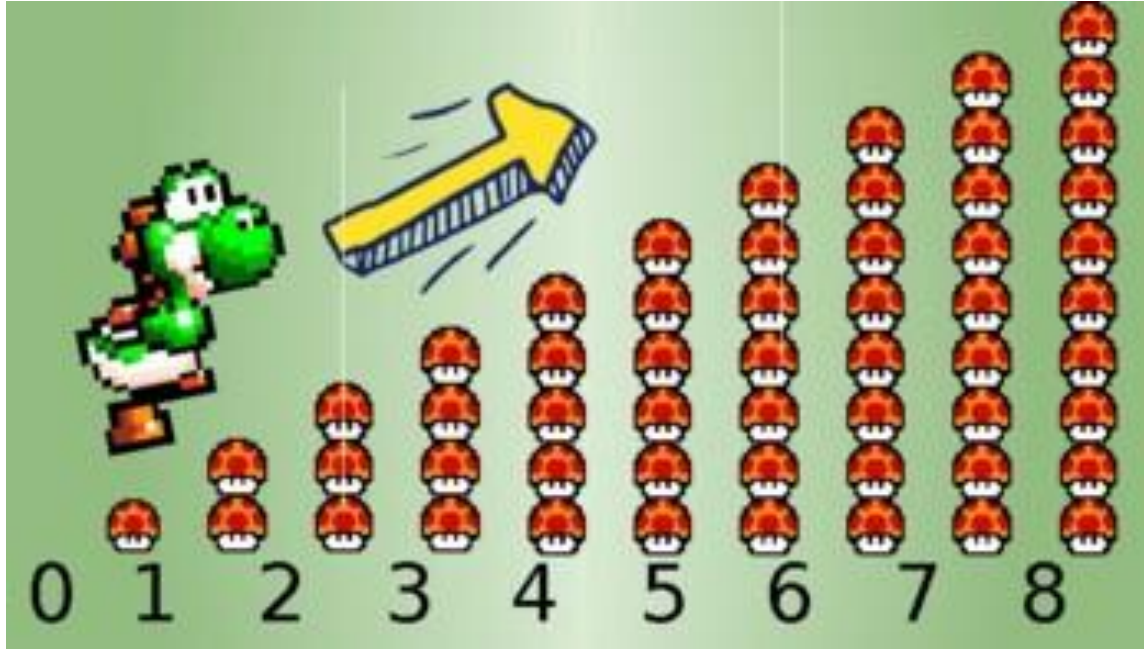
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# Learning outcomes

- ❖ Students will be able to form largest number and smallest number.
- ❖ Student will be able to find the pattern of largest and smallest number of different digits.

## Lets know about Largest and Smallest numbers



# Previous Knowledge Tet

1. Find the place value of 7 in the following numbers:

(i) 7531

(ii) 5731

(iii) 5371

(v) 5137

2 . What is the difference of the place value and face value of 2 in 829 ?

Largest and smallest no formation will be explained with the help of a video.

<https://www.youtube.com/watch?v=O-0bhVachEM>(9.16)

# Pattern for smallest and largest number of n digits

- Smallest number of n digits - 1 = Largest number of (n – 1) digits
- (i) Smallest number of 3 digits - 1 = Largest number of 2 digits
- i.e.  $100 - 1 = 99$
- (ii) Smallest number of 6 digits – 1 = Largest number of 5 digits
- i.e.  $1,00,000 - 1 = 99,999$  etc.

# Evaluation Question

1. Fill in the blanks :

(i)  $999 + 1 = \dots\dots\dots$

(ii)  $10,000 - 1 = \dots\dots\dots$

(iii) 10 coins – one coin =  $\dots\dots\dots$

**Solution:**

(i)  $999 + 1 = 1,000$

(ii)  $10,000 - 1 = 9,999$

(iii) 10 coins – one coin = 9 coins

## Evaluation Question

**2. Would the number of students in your school be a 3-digit number or a 4-digit number or a 5-digit number?**

**Solution:**

Number of students varies from one school to another school

Lets take an example if the total strength of our school is 4410

Hence, it is a 4-digit number



## Evaluation Question

4. Starting from the greatest 5-digit number, write the previous five numbers in descending order.

**Solution:**

Greatest 5-digit number = 99, 999

The previous five digit numbers in descending order are

$99, 999 > 99, 998 > 99, 997 > 99, 996 > 99, 995 > 99, 994$

## Evaluation Question

Q5. Starting from the smallest 7-digit number, write the next four numbers in ascending order.

Solution:

Smallest 7-digit number = 10, 00, 000

The next four numbers in ascending order are  $10, 00, 001 < 10, 00, 002 < 10, 00, 003 < 10, 00, 004$ .

## Evaluation Question

**7. How many 5-digit numbers are there in all?**

**Solution:**

Largest 5-digit number = 99999

Largest 4-digit number = 9999

Required number = 99999 – 9999

= 90,000

Hence, 90,000 numbers are there in all

# Additional Homework

1. Find the difference in the place values of two sevens in the number 8,72,574.

2. Write the smallest number which is just more than 9,99,999.

3. Find the difference between the place values of 3 and 5 in the number 3945.

4. Write the number in the following:

(i) Digit at ten thousands place - 6,18,923

(ii) Digit at thousands place - 9,86,507

HW  
Ex.4B Q. No.3, 5

**THANKING YOU**  
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