# Ascending and Descending Order

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## **Ascending Order:**

Arranging numbers from smallest to greatest. **Example:** 23, 45, 78, 104

## **Descending Order:**

Arranging numbers from greatest to smallest.

Example: 104, 78, 45, 23

## How to Arrange Numbers:

Step 1: Count the number of digits in each number.

A number with more digits is greater.

**Step 2:** If all numbers have the same number of digits, compare digit by digit from left.

### **Properties:**

1. Ascending order is used when we go from lower to higher values.

(Like going up a staircase)

2. Descending order is used when we go from higher to lower values.

(Like going down a staircase)

3. Helps in comparing, sorting, and organizing numbers properly.

#### Example 1:

Question: Arrange in ascending order:

45,231, 12,345, 38,754, 59,238

#### Solution:

Compare the numbers:

12,345 < 38,754 < 45,231 < 59,238

Answer: 12,345, 38,754, 45,231, 59,238

#### Example 2:

Question: Arrange in descending order:

70,042, 65,478, 90,105, 81,237

# Solution:

Compare the numbers: 90,105 > 81,237 > 70,042 > 65,478 Answer: 90,105, 81,237, 70,042, 65,478

# **Summary Points:**

- Ascending order  $\rightarrow$  Smallest to greatest
- Descending order  $\rightarrow$  Greatest to smallest
- Compare number of digits first, then compare left to right
- Very helpful in daily life, mathematics, and data handling