



Ordering of Numbers

Ordering of numbers means arranging numbers in a particular sequence based on their value. The most common ways to order numbers are:

- **Ascending order:** Arranging numbers from the smallest to the largest.
- **Descending order:** Arranging numbers from the largest to the smallest.

How to Order Numbers?

- To arrange numbers in ascending order, start with the smallest number and keep increasing until you reach the largest number.
- To arrange numbers in descending order, start with the largest number and keep decreasing until you reach the smallest number.

Properties of Ordering Numbers

- Ascending order arranges numbers from smallest to largest.
- Descending order arranges numbers from largest to smallest.
- When ordering multiple-digit numbers, always compare the numbers starting from the leftmost digit (thousands, hundreds, tens, and ones).

Example 1

Question: Arrange the following numbers in ascending order: 2,738, 1,895, 3,456, 1,210.


Solution:

Step 1: Compare the thousands place.

- 2,738 has 2 in the thousands place.
- 1,895 has 1 in the thousands place.
- 3,456 has 3 in the thousands place.
- 1,210 has 1 in the thousands place.

Step 2: Since 1,895 and 1,210 both have 1 in the thousands place, compare the hundreds place.

- 1,895 has 8 in the hundreds place.
- 1,210 has 2 in the hundreds place.



Step 3: Now arrange the numbers from smallest to largest:

1,210, 1,895, 2,738, 3,456.

Answer: The numbers in ascending order are 1,210, 1,895, 2,738, 3,456.

Example 2

Question: Arrange the following numbers in descending order: 4,302, 5,710, 3,405, 2,899.

Solution:

Step 1: Compare the thousands place.

- 5,710 has 5 in the thousands place (largest).
- 4,302 has 4 in the thousands place.
- 3,405 has 3 in the thousands place.
- 2,899 has 2 in the thousands place (smallest).

Step 2: Now arrange the numbers from largest to smallest:

5,710, 4,302, 3,405, 2,899.

Answer: The numbers in descending order are 5,710, 4,302, 3,405, 2,899.

Summary Points

- Ordering of numbers means arranging numbers in a specific sequence.
- In ascending order, numbers are arranged from smallest to largest.
- In descending order, numbers are arranged from largest to smallest.
- When ordering multi-digit numbers, compare place values starting from the leftmost digit.