

ASCENDING AND DESCENDING ORDER

Ascending order

Arranging numbers from **small to big** is called **ascending order**.

In ascending order, **smallest number** comes first.

Use **less than (<)** symbol for ascending order.

Descending order

Arranging numbers from **big to small** is called **descending order**.

In descending order, **biggest number** comes first.

Use **greater than (>)** symbol for descending order.

Example 1:

Arrange the numbers in ascending order.

5210, 8425, 6378, 1489, 4084, 9637

Solution:

Arrange the numbers in ascending order (small to big)

1489, 4084, 5210, 6378, 8425, 9637

Use less than symbol

$1489 < 4084 < 5210 < 6378 < 8425 < 9637$



Example 2:

Arrange the numbers in ascending order.

4500, 4562, 4591, 4583, 4524, 4576, 4600, 4521

Solution:

Arrange the numbers in ascending order (small to big)

4500, 4521, 4524, 4562, 4576, 4583, 4591, 4600

Use less than symbol

$4500 < 4521 < 4524 < 4562 < 4576 < 4583 < 4591 < 4600$

Example 3:

Arrange the numbers in descending order.

8569, 7841, 2514, 1320, 1356, 4500, 9846

Solution:

Arrange the numbers in descending order (big to small)

9846, 8569, 7841, 4500, 2514, 1356, 1320

Use greater than symbol

$9846 > 8569 > 7841 > 4500 > 2514 > 1356 > 1320$



Example 4:

Arrange the numbers in descending order.

7852, 7863, 7841, 7856, 7829, 7842, 7896, 7830

Solution:

Arrange the numbers in descending order (big to small)

7896, 7863, 7856, 7852, 7842, 7841, 7830, 7829

Use greater than symbol

$7896 > 7863 > 7856 > 7852 > 7842 > 7841 > 7830 > 7829$

Example 5:

Arrange the numbers in ascending and descending order.

1152, 1149, 1159, 1138, 1145, 1158, 1140, 1155

Solution:

Ascending order

$1138 < 1140 < 1145 < 1149 < 1152 < 1155 < 1158 < 1159$

Descending order

$1159 > 1158 > 1155 > 1152 > 1149 > 1145 > 1140 > 1138$

