

Example: Arrange the following numbers in ascending and descending order :
645, 238, 714, 389, 557

Solution: Arranging the numbers according to hundreds, then tens, and finally ones place, we get

Ascending order : 238, 389, 557, 645, 714

Descending order : 714, 645, 557, 389, 238

(According to NEP Guidelines)
(Understanding)

EXERCISE-8

1. Choose the correct options.

(a) Which of the following is greatest?

(i) 719 ☐ (ii) 917 ☒ (iii) 791 ☐

(b) Which of the following is smallest?

(i) 300 ☒ (ii) 900 ☐ (iii) 500 ☐

(c) The greatest among the numbers 951, 552, 955 and 900 is

(i) 552 ☐ (ii) 951 ☐ (iii) 955 ☒

(d) The smallest among the numbers 807, 708, 605 and 506 is

(i) 506 ☒ (ii) 708 ☐ (iii) 605 ☐

2. Arrange the numbers in ascending order :

(a) 200, 700, 600, 300, 900

(b) 175, 427, 529, 618, 243

3. Arrange the numbers in descending order :

(a) 627, 529, 450, 819, 725

(b) 560, 550, 580, 590, 510

FORMING GREATEST AND SMALLEST 3-DIGIT NUMBER

Let us take the digits 3, 9 and 5.

Let us form all possible 3-digit numbers using these digits without repeating digit.

359 **395** **539** **593** **935** **953**

The smallest number formed is 359.

The greatest number formed is 953.

EXERCISE-9

(According to NEP Guidelines)
(Understanding)

Form the greatest and smallest 3-digit numbers using the given digits.

One is done for you.

Digits	Greatest number	Smallest number
(a) 5, 2, 6	652	256
(b) 4, 3, 8	843	348
(c) 7, 1, 6	761	167
(d) 8, 0, 5	850	508
(e) 5, 9, 1	951	159

Critical Thinking

While building a 3-digit number, 0 cannot be placed at the hundreds place. Why? Justify.

Teacher Tip

To reinforce the concept, each student should have number cards from 0 to 9. The teacher writes any three digits on the board. The students use the number cards to form different 3-digit numbers using three digits. The teacher asks the students to note down the number along with the number name in their notebooks.