Answer:

Case (1) : Without the digits repeating. The numbers are : 46, 40, 54, 56 and 64.

Case (2) : With the digits repeating. The numbers are 44, 55 and 66.

Example 3 : Form two digit numbers using the digit 0, 1 and 2.

When we form two digit numbers, we have to place digit 0 at the ones place only. If we place 0 at tens place, the number will become a one digit number. e.g. 02, 01.

Case (1) : Without the digits repeating. The two digit numbers are :

10, 12, 21 and 20.

Case (2) : With the digits repeating. The two digit numbers are : 11 and 22.

Exercise

1. Form two digits numbers using the digits given below :

   (a) 1, 3   (b) 6, 7   (c) 8, 9

   (d) 1, 2, 3   (e) 5, 6, 7   (f) 6, 7, 8

2. Find the greatest and smallest number formed by the digits :

   (a) 4, 5   (b) 3, 4, 5   (c) 1, 2, 3

   (d) 5, 6, 7   (e) 7, 8, 9   (f) 3, 0, 5