





Thus, we get 1000 by adding 1 to 999. **1000 has four digits. We read it as "One** thousand". From the above, do you observe any pattern ?

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third place called hundreds place and write 1

in this place and **0** in the first and second

places as shown alongside.

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# We can say that 999 is the largest 3 - digit

# number and 1000 is the smallest 4 - digit

# number.











	How we write	How we read
	$\frac{1198 + 1 = 1199}{1198 + 1}$	one thousand one hundred
		ninety-nine
AB	<mark>1999 + 1 = 2000</mark>	Two thousand
	2000 + 1 = 2001	two thousand one

How we write	How we read
2998 + 1 = 2999	two thousand nine hundred
	ninety-nine
2999 + 1 = 3000	three thousand
3000 + 1 = 3001	three thousand one
<b>3001 + 1 = 3002</b>	three thousand two
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## Read the following in thousands :

#### One box represents 1000.





## Read the following in thousands : One box represents 1000. 7000 **Seven thousand Eight thousand** 8000 **Nine thousand** 9000 **Ten thousand** 10000



•	Obs	serve	PLACE the place value	<mark>VALUE</mark> e table given b	elow:
	Thousand	(Th)	Hundreds (H)	Tens (T)	Ones (O)
	1000	D	100	10	1
	Now, consider the numbers, say 4583 and 5609. Arrange the numbers in the place value table as follows :				









### **Expanded Form of a Numeral**

If a numeral is expressed as the sum of place values  $\stackrel{<}{\sim}$  of its all digits, it is called its expanded form.

For example : 3475 = 3 thousands + 4 hundreds + 7 tens + 5 ones or 3475 = 3000 + 400 + 70 + 5.



EXAMPLE 3 : Write the place values of 7 in the numeral 5707 and find the difference between them. SOLUTION : The given numeral is 5707.

From right, the first 7 is at ones place.

 $\therefore$  its place-value = 7 ones = 7 × 1 = 7.

From right, the second 7 is at hundreds place.

 $\therefore$  its place-value = 7 hundreds = 7 × 100 = 700.

Now, the difference between the two place values

of 7 = 700 - 7 = 693.



**EXAMPLE 5**: Write in short form : (a) 5000 + 300 + 7 (b) 7 thousands + 2 hundreds + 5 tens + 5 ones **SOLUTION:** (a) 5000 + 300 + 7 = 5307入 (b) 7 thousands + 2 hundreds + 5 tens + 5 ones = <mark>7255</mark>



## **ORDERING OF NUMBERS**

To compare 4-digit numbers, we follow the same rules as we used in class 2

Rule 1: Between the two numbers, the number containing more digits is the greater number.



**Rule 2 :** If two numbers contain the same number of digits, we compare them by their leftmost digits. If the leftmost **For Example** digits are also the same, 4325 > 3752 we compare them by their 4325 > 4252 next digits from the left, 4325 > 4319 and so on.

4325 > 4323

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### **Successor**

The number that comes just after particular number is called its successor.

For Example :	Number	Successor
	9	10
	99	100
	3999	4000



Predecessor

number is called its predecessor.			
For Example :		Number	Predecessor
	Note	10	0
	Zero has No	10	9
	predecessor	100	99
		1000	999

The number that comes just before a particular

## Thus, we have the following :

Predecessor	Number	Successor
9	10	11
99	100	101
999	1000	1001





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Ascending Order (Increasing Order) Numbers are said to be in ascending order when they are arranged from the smallest to the largest number.







For Example : 299, 1005, 7690, 8503 and 9921 are arranged in ascending order. We can also write :

299 < 1005 < 7690 < 8503 < 9921.







Descending Order (Decreasing Order) Numbers are said to be in descending order when they are arranged from the largest to the smallest number.







For Example : 8769, 6083, 5209, 4008 and 999 are arranged in descending order. We can also write : 8769 < 6083 < 5209 < 4008 < 999.



