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Let's Recall

A) Compare the numbers using ($>$, $<$ or $=$) signs:

1) $2,38,734 > 1,38,174$

2) $7,32,010 > 5,32,017$

3) $8,01,007 < 8,01,070$

4) $4,18,963 = 4,18,963$

B) Write in ascending and descending order.

374218, 374281, 374821, 378241, 384721

Ascending order : $374218 < 374281 < 374821 < 378241 < 384721$

Descending order: $384721 > 378241 > 374821 > 374281 > 374218$

C) Form the greatest and the smallest 6-digit number using each digit only once:

3,0,1,7,2,5

Smallest number : 102357 Greatest number : 753210

D) Mark periods and write number names as per Indian system of numeration.

1) $275906 : 2,75,906 : \text{Two lakh seventy five thousand nine hundred six.}$

2) $8267451 : 82,67,451 : \text{Eighty two lakh sixty seven thousand four hundred fifty one.}$

E) Mark periods and write number names as per International system of numeration.

1) $749364 : 749,364 : \text{Seven hundred forty nine thousand three hundred sixty four.}$

2) $101073 : 101,073 : \text{One hundred one thousand seventy three.}$

Exercise 1.1

A) Separate the periods by inserting commas according to the two systems of numeration.

Numbers	Indian System	International System
1) 8374986	83,74,986	8,374,986
2) 32495838	3,24,95,838	32,495,838
3) 497347538	49,73,47,538	497,347,538

B) Observe the periods. Then write the number system used and the number names according to that system.

- 1) 38,74,965 – Indian Number System – Thirty eight lakh seventy four thousand nine hundred sixty five.
- 2) 31,079,358 – International Number System – Thirty one million seventy nine thousand three hundred fifty eight.
- 3) 389,012,556 - International Number System – Three hundred eighty nine million twelve thousand five hundred fifty six.
- 4) 493,863,851 - International Number System – Four hundred ninety three million eight hundred sixty three thousand eight hundred fifty one.
- 5) 96,870,132 - International Number System – Ninety six million eight hundred seventy thousand one hundred thirty two.
- 6) 6,517,982 - International Number System – Six million five hundred seventeen thousand nine hundred eighty two.

Exercise 1.2

A) Write the face and place value of the circled digit as per the Indian Place Value System.

- 1) 70,⑤4,976 – Face value – 5 Place value – 50,000
- 2) 3①, 77,84,076 – Face value – 1 Place value – 1,00,00,000
- 3) 63,47,⑤18 – Face value – 5 Place value – 500
- 4) ③,87,29,481 – Face value – 3 Place value – 3,00,00,000
- 5) 2,94,⑦8,395 – Face value – 7 Place value – 70,000
- 6) 3①, 42,327 – Face value – 1 Place value – 1,00,000

B) Write the face and place value of the circled digit as per the International Place Value System.

- 1) 4①3,472,800 – Face value – 0 Place value – 0 (ten million)
- 2) 637,①84 – Face value – 1 Place value – 100 (hundred)



- 3) 496, 7 80,341 - Face value – 7 Place value - 700,000 (hundred thousand)
- 4) ③5,096,178 - Face value – 3 Place value - 30,000,000 (ten million)
- 5) 27⑨,423,000 - Face value – 9 Place value - 9,000,000 (million)
- 6) 639,8③2,199 - Face value – 3 Place value - 30,000 (ten thousand)

Exercise- 1.3

Complete the given table.

	Expanded form	Successor	Predecessor
1) 1,80,47,350	$1,00,00,000 + 80,00,000 + \underline{0 + 40,000 + 7,000} + 300 + 50 + 0$	1,80,47,351	1,80,47,349
2) 8,90,73,546	$8,00,00,000 + 90,00,000 + 0 + 70,000 + 3,000 + 500 + 40 + 6$	8,90,73,547	8,90,73,545
3) 2,15,55,128	$2,00,00,000 + 10,00,000 + 5,00,000 + 50,000 + 5,000 + 100 + 20 + 8$	2,15,55,129	2,15,55,127
4) 7,01,49,299	$7,00,00,000 + 0 + 1,00,000 + 40,000 + 9,000 + 200 + 90 + 9$	7,01,49,300	7,01,49,298
5) 5,99,99,999	$5,00,00,000 + 90,00,000 + 9,00,000 + 90,000 + 9,000 + 900 + 90 + 9$	6,00,00,000	5,99,99,998

Exercise – 1.4

(A) Express the following in expanded form using both the ways.

- 1) 37,04,186 – 3 ten lakhs +7 lakhs +4 thousands +1 hundred +8 tens +6 ones
- $30,00,000 + 7,00,000 + 0 + 4,000 + 100 + 80 + 6$
- 2) 93,27,40,789 – 9 ten crores+3 crores+2 ten lakhs+7 lakhs+4 ten thousand +7 hundred +8 tens+9ones
- $90,00,00,000 + 3,00,00,000 + 20,00,000 + 7,00,000 + 40,000 + 0 + 700 + 80 + 9$
- 3) 4,83,62,017 - 4 crores+ 8 ten lakhs+3 lakhs+6 ten thousand+ 2 thousands+ 1 tens+ 7ones
- $4,00,00,000 + 80,00,000 + 3,00,000 + 60,000 + 2,000 + 0 + 10 + 7$
- 4) 35,27,70,560 – 3 ten crores+5 crores+2 ten lakhs+7 lakhs +7 ten thousand+5 hundred+6 tens
- $30,00,00,000 + 5,00,00,000 + 20,00,000 + 7,00,000 + 70,000 + 0 + 500 + 60 + 0$
- 5) 68,01,479 - 6 ten lakhs+ 8 lakhs+ 1 thousand+ 4 hundred + 7 tens + 9 ones

$$- 60,00,000 + 8,00,000 + 0 + 1,000 + 400 + 70 + 9$$

(B) Express the following in numerals (short form)

1) 8 ten crores+5 crores+9 ten lakhs +7 thousands+ 5 hundreds+ 6 tens+ 2 ones = 85,90,07,562

2) 7,00,00,000+ 80,000+ 3,000 +90+8 = 7,00,83,098

3) 10,00,00,000+5,00,00,000+20,00,000+40,000+7,000+40+2 = 15,20,47,042

C) Write the successor and the predecessor of.

1) 3,28,97,999 - Successor - 3,28,98,000

Predecessor - 3,28,97,998

2) 9,37,799 - Successor - 9,37,800

Predecessor - 9,37,798

3) 15,27,009 - Successor - 15,27,010

Predecessor - 15,27,008

4) 99,99,999 - Successor - 1,00,00,000

Predecessor - 99,99,998

D) Compare the following using > , < or = signs.

1) 3,97,48,632 < 3,97,58,632

2) 1,50,15,178 < 1,50,15,780

3) 3,74,98,561 > 96,42,748

4) 30,49,75,831 > 30,49,00,831

E) Write the following in ascending and descending order.

1) 94,38,791; 49,83,197; 49,38,971; 49,73,871

Ascending - 49,38,971; 49,73,871; 49,83,197; 94,38,791

Descending - 94,38,791; 49,83,197; 49,73,871; 49,38,971

2) 38,65,478; 38,56,748; 83,65,487; 38,65,874

Ascending - 38,56,748; 38,65,478; 38,65,874; 83,65,487

Descending - 83,65,487; 38,65,874; 38,65,478; 38,56,748

F) Form the greatest 8-digit number without repeating any digit.

1) 4,2,0,9,7,1,8,6 - 9,87,64,210

2) 7,3,0,1,9,2,5,4 - 9,75,43,210

3) 7,4,6,2,9,8,3,5 - 9,87,65,432

G) Form the smallest 9- digit number without repeating any digit.

1) 0,3,9,6,5,4,8,2,1 – 10,23,45,689

2) 8,0,7,6,4,5,2,1,9 - 10,24,56,789

