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Ex 1A

I Separate the periods in the numbers by placing commas at the appropriate places

1. 114 735 $\rightarrow$ 1,14,7352. 310 457 $\rightarrow$ 3,10,4573. 5215844 $\rightarrow$ 52,15,8444. 6002005 $\rightarrow$ 60,02,005

II Write the following numbers in place value charts. Also write them in word.

a. 2,22,222 $\rightarrow$ Two lakh twenty two thousand two hundred and twenty two

L	TH	H	T	O
2,00,000	20,000	2,000	200	20

III Write the numerals for the following.

a. Three lakh seventy - five thousand four hundred twenty - 3,75,420

b. Fifty - two lakh fifty - six thousand eleven - 52,56,011

c. Twenty - eight lakh one thousand thirteen - 28,01,013

IV Write all the numbers from 5,55,100 to 5,55,140

5,55,100

5,55,111

5,55,121

5,55,131

5,55,101

5,55,112

5,55,122

5,55,132

5,55,102

5,55,113

5,55,123

5,55,133

5,55,103

5,55,114

5,55,124

5,55,134

5,55,104

5,55,115

5,55,125

5,55,135

5,55,105

5,55,116

5,55,126

5,55,136

5,55,106

5,55,117

5,55,127

5,55,137

5,55,107

5,55,118

5,55,128

5,55,138

5,55,108

5,55,119

5,55,129

5,55,139

5,55,109

5,55,120

5,55,130

5,55,140

5,55,110

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de:-1

Large Numbers

Periods	Lakhs		Thousands		Ones		
Places →	(TL) Ten Lakhs	(L) Lakhs	(TTh) Ten thousand	(Th) thousands	Hundred (H)	Tens (T)	ones (O)
	(10,00,000)	(1,00,000)	(10,000)	(1,000)	(100)	(10)	(1)

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2	3	4	5	6	7	8	9	10	11	12
4	6	8	10	12	14	16	18	20	22	24
6	9	12	15	18	21	24	27	30	33	36
8	12	16	20	24	28	32	36	40	44	48
10	15	20	25	30	35	40	45	50	55	60
12	18	24	30	36	42	48	54	60	66	72
14	21	28	35	42	49	56	63	70	77	84
16	24	32	40	48	56	64	72	80	88	96
18	27	36	45	54	63	72	81	90	99	108
20	30	40	50	60	70	80	90	100	110	120

13	14	15	16	17	18	19	20
26	28	30	32	34	36	38	40
39	42	45	48	51	54	57	60
52	56	60	64	68	72	76	80
65	70	75	80	85	90	95	100
78	84	90	96	102	108	114	120
91	98	105	112	119	126	133	140
104	112	120	128	136	144	152	160
117	126	135	144	153	162	171	180
130	140	150	160	170	180	190	200

V counting by hundred, write the number
~~5,50~~, ~~5,50~~ to ~~5,50~~, 5,52,000.

5,50,550	5,51,350
5,50,650	5,51,450
5,50,750	5,51,550
5,50,850	5,51,650
5,50,950	5,51,750
5,51,050	5,51,850
5,51,150	5,51,950
5,51,250	8,

VI ~~352~~ counting by thousand write the number
 7,06,052 to 7,26,052

7,06,052	7,15,052	7,24,052
7,07,052	7,16,052	7,25,052
7,08,052	7,17,052	7,26,052
7,09,052	7,18,052	
7,10,052	7,19,052	
7,11,052	7,20,052	
7,12,052	7,21,052	
7,13,052	7,22,052	
7,14,052	7,23,052	

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Ex 18

I tick (✓) the correct options.

a. The place value of 0 is always 0.

☒ i. 0

ii. 1

iii. can't say

iv. none of these

b. The sum of the place values of the two zeros in 34,542 is 4040.

i. 4004

☒ ii. 4040

iii. 4400

iv. none of these

b. 1,80,569

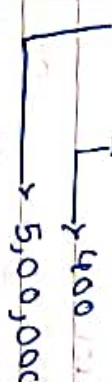


Sum

Difference

$$\begin{array}{r} 80000 \\ + \quad 9 \\ \hline 80009 \end{array} \qquad \begin{array}{r} 70000 \\ - \quad 9 \\ \hline 70001 \end{array}$$

c. 5,26,491

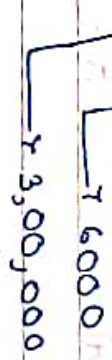


Sum

Difference

$$\begin{array}{r} 5,00,000 \\ + \quad 400 \\ \hline 5,00,400 \end{array} \qquad \begin{array}{r} 4,00,000 \\ - \quad 400 \\ \hline 4,00,000 \end{array}$$

d. 53,96,320



Sum

Difference

$$\begin{array}{r} 300,000 \\ + \quad 6000 \\ \hline 306,000 \end{array} \qquad \begin{array}{r} 49,99,999 \\ - \quad 6000 \\ \hline 49,99,000 \end{array}$$

3. 8624194

Indian N.S. $\rightarrow$ 86,24,194.Eighty six lakh twenty four thousand
one hundred and ninety fourInternational N.S. $\rightarrow$ 8,624,194Eighty million six hundred twenty
four thousand and one hundred
~~ninety four~~
~~ninety four~~

4. 6008452

Indian N.S. $\rightarrow$ 60,08,452Sixty lakh eight thousand four
hundred and fifty twoInternational N.S. $\rightarrow$ 6,008,452Six million eight thousand four
hundred fifty two

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II Find the face value and place value of the underlined digits in the following.

Numbers	Place value	Face value
a) 4, <u>3</u> 5, <u>5</u> 60	500	5
b) 5, <u>1</u> 8, <u>7</u> 24	10,000	700
c) 13, <u>9</u> <u>5</u> , 651	5,000	5
d) <u>2</u> 0, <u>3</u> 1, <u>0</u> 51	20,00,000	2

III Find the sums and differences of the place values of the underlined digits of the following.

a. 3, 05, 724

Diagram showing place values: 4 is in the ones place, 5 is in the thousands place, and 0 is in the hundreds place.

Sums

Differences

$$\begin{array}{r} 5000 \\ + 4 \\ \hline 5004 \end{array}$$

$$\begin{array}{r} 4991 \\ - 5000 \\ \hline 4991 \end{array}$$

X

Ex 1 C

I Fill in the blanks.

1. 1 million = 10 lakhs

2. 1 lakh = 1 hundred thousand

3. 1 lakh = 100 thousands

II Mark the periods with commas, and write each number in words in the Indian and international systems of numeration.

1. 6089645

Indian N.S - 60,89,645

Sixty lakh eighty nine thousand
six hundred and forty five

Indian					
Lakhs	Thousands			Ones	
L	Th	Th	Th	H	T
7	5	3	6	1	1
					4
					0

lakhs Thousands Ones
75, 36 114
2 digit 2 digit 3 digit

Seventy five lakh thirty six thousand one hundred and fourteen.

International					
Millions	Thousands			Ones	
M	HTH	TTh	Th	H	T
7	5	3	6	1	1
					4
					0

Millions Thousands Ones
7 536 114
1 digit 3 digit 3 digit

Seven million five hundred thirty six thousand one hundred and fourteen

d. 84,97,045; 84,91,047; 84,96,148; 84,96,139
→ 84,97,045; 84,96,148; 84,96,139; 84,91,047

IV Form the greatest and the smallest numbers using the given digits only once.

a. 8,6,0,1,5, and 9

b. 2,1,0,4,9 and

G - 9,8,6,5,1,0

G - 9,8,4,2,1,5

S - 1,0,5,6,8,9

S - 1,0,2,4,8,9

c. 5,8,2,0,6,7 and 1.

G - 8,7,6,5,2,1,0

S - 1,0,2,5,6,7,8