

UNIT - 1 (NUMBERS UPTO 99, 99, 99, 999)

INDIAN SYSTEM OF NUMBERS OR, INDIAN PLACE VALUE CHART

PERIOD	CRORES		LAKHS		THOUSANDS		ONES		
PLACE	TEN CRORES	CRORES	TEN LAKHS	LAKHS	TEN THOUSANDS	THOUSANDS	HUNDREDS	TENS	ONES
PLACE VALUE (NUMERAL)	10,00,00,000	1,00,00,000	10,00,000	1,00,000	10,000	1,000	100	10	1

INTERNATIONAL PLACE VALUE CHART

PERIOD	MILLIONS			THOUSANDS			ONES		
PLACE	HUNDRED MILLIONS	TEN MILLIONS	MILLIONS	HUNDRED THOUSANDS	TEN THOUSANDS	THOUSANDS	HUNDREDS	TENS	ONES
PLACE VALUE (NUMERAL)	100,000,000	10,000,000	1,000,000	100,000	10,000	1,000	100	10	1

NOW SOLVE THE FOLLOWING QUESTIONS -

Q.1. Rewrite the following numerals using commas in Indian system of Numeration and International System of Numeration separately. First one has been done for you.

(a) 987001052

Ans - INDIAN SYSTEM - 98,70,01,052

INTERNATIONAL SYSTEM - 987,001,052

(b) 10489752 (c) 97864351 (d) 493182 (e) 1111111

(f) 125605189 (g) 670157213 (h) 98700105 (i) 23456789

Q.2. Write the number names of the following numerals:-

(a) 40,9846 (b) 97,86,43,510 (c) 362,124 (d) 2,000,421

(e) 1,23,45,617 (f) 222,222,222 (g) 456,783,124 (h) 3,62,285

Q.3. Write numerals using commas:-

(a) Thirty four thousand three hundred and ninety eight.

(b) Two hundred seventy nine million seventeen thousand five hundred eleven.

(c) Three crore and forty five.

(d) Two hundred five million.

(e) one hundred million fifteen thousand four hundred five.

(f) nine crore seventy eight lakh three hundred fifty one.

UNIT-2 (OPERATIONS ON LARGE NUMBERS)

Q.2. Subtract :-

- (a) 3,62,71,843 from 5,28,16,345
 (b) 1,98,76,432 from 5,23,45,678
 (c) 73,82,005 from 90,28,583
 (d) 1,98,28,364 from 2,00,00,000
 (e) 3,64,82,197 from 4,82,28,828

Q.3. Find the product :-

- (a) $8,123 \times 956$ (b) $25,079 \times 385$ (c) $14,50,145 \times 145$
 (d) $9,00,864 \times 195$ (e) $10,513 \times 218$ (f) $7,653 \times 2,182$

Q.4. Find the quotient and remainder :-

- (a) $46,028 \div 84$ (b) $8,88,888 \div 888$
 (c) $60,90,839 \div 123$ (d) $9,00,864 \div 95$
 (e) $74,862 \div 73$ (f) $14,50,145 \div 145$

Q.5. Solve the following word problems :-

- (a) A box contains 144 pencils. How many boxes are needed to pack 1,00,080 pencils?
 (b) Find the sum of the greatest 8-digit, 7-digit and 6-digit numbers.
 (c) Mr. Ajay deposited ₹ 2,78,475 in a bank in his account. Later, he withdrew ₹ 1,55,755 from his account. How much money was left in his account in the bank?
 (d) A uniform set costs ₹ 1,325. What will be the cost of 567 uniform sets?

UNIT-2 (OPERATIONS ON LARGE NUMBERS)

* ADDITION & SUBTRACTION ON LARGE NUMBERS

EXAMPLE 1 :- Add :- 2,45,61,386 ; 4,39,03,424 and 5,30,12,435

$$\begin{array}{r}
 2,45,61,386 \\
 + 4,39,03,424 \\
 + 5,30,12,435 \\
 \hline
 \text{Sum} = 12,15,27,245
 \end{array}$$

EXAMPLE 2 :- Subtraction :- 4,81,27,415 from 9,45,36,821

$$\begin{array}{r}
 9,45,36,821 \\
 - 4,81,27,415 \\
 \hline
 \text{Difference} = 4,64,09,406
 \end{array}$$

* MULTIPLICATION & DIVISION ON LARGE NUMBERS.

EXAMPLE 3 :- Multiply 35983 by 475

$$\begin{array}{r}
 35983 \\
 \times 475 \\
 \hline
 179915 \\
 251881 \times \\
 143932 \times \times \\
 \hline
 17091925
 \end{array}$$

EXAMPLE 4 :- Divide 3,74,949 by 65

$$\begin{array}{r}
 \overline{) 374949} \quad \text{DIVISOR} \\
 65 \overline{) 374949} \quad (5768 \rightarrow \text{QUOTIENT} \\
 \underline{- 325} \\
 \times 499 \quad \text{DIVIDEND} \\
 \underline{- 455} \\
 \times 444 \\
 \underline{- 390} \\
 \times 549 \\
 \underline{- 520} \\
 \times 29 \rightarrow \text{REMAINDER}
 \end{array}$$

NOW SOLVE THE FOLLOWING QUESTIONS :-

- Q.1. Add :-
- (a) 4,14,142 ; 49,85,389 ; 26,14,758
- (b) 1,82,95,067 ; 7,06,53,248 ; 85,23,15,901
- (c) 4,02,36,755 ; 3,21,33,046 ; 2,95,17,354
- (d) 8,43,12,645 ; 2,12,83,456 ; 11,12,98,999
- (e) 6,72,15,834 ; 6,66,42,228 ; 83,12,645