

Numbers in India and International System

IMPORTANT POINTS

1. **Place -Value (Local Value)** : The place – value (Local-value) of a digit depends upon the position, it occupies in the number:

For example :

In the number 6453 the place value of 6 is 6 thousand = $6 \times 1000 = 6000$

the place value of 4 is 4 hundred = $4 \times 100 = 400$

the place value of 5 is 5 ten = $5 \times 10 = 50$

the place value of 3 is 3 one = $3 \times 1 = 3$

2. **Face -Value (True-Value)** : Each digit in a number has a fixed value, regardless to its position in the number

For Example :

In the above number 6453

Face of value of 6 is 6, 4 is 4, 5 is 5 and 3 is 3

3. **An Abstract Number** : Which does not refer to any particular unit e.g., 3, 5, 9.
4. **A Concrete Number** : Which refers to particular unit e.g., 3 boys, 5 girls, 9 rooms etc.

The smallest (least) one digit Number is 1.

The largest (greatest) one digit number is 9.

EXERCISE 3

Question 1.

Write the following numerals using Indian System words or International system (as required in words) :

- (i) 4, 35, 342 =
- (ii) 36, 71, 430 =
- (iii) 4, 28, 30, 004 =
- (iv) 75, 132, 684 =
- (v) 815, 906 =
- (vi) 5, 420, 700 =

Solution:

- (i) 4, 35, 342 = four lakh, thirty five thousand, three hundred forty two
- (ii) 36, 71, 430 = Thirty six lakh, seventy one thousand four hundred thirty
- (iii) 4, 28, 30, 004 = four crore, twenty eight lakh, thirty thousand four
- (iv) 75, 132, 684 = Seventy five million, one hundred thirty two thousand, six hundred eighty four
- (v) 815, 906 = Eight hundred fifteen thousand, nine hundred six
- (vi) 5, 420, 700 = Five million, four hundred twenty thousand, seven hundred

Question 2.

Write the following numbers, placing the commas, according to Indian system :

- (i) 835629 =
- (ii) 35640254 =
- (iii) 2826040 =

Solution:

- (i) 835629 = 8, 35, 629
- (ii) 35640254 = 3, 56, 40, 254
- (iii) 2826040 = 28, 26, 041

Question 3.

Write the following numbers, by placing the commas, according to International system :

- (i) 6509820 =
- (ii) 428140584 =
- (iii) 63560981 =

Solution:

- (i) 6509820 = 6, 509, 820
- (ii) 428140584 = 428, 140, 584
- (iii) 63560981 = 63, 560, 981

Question 4.

Fill in the blanks :

- (i) Four lakh sixty seven thousand three hundred six.
= (In numeral form)
= (In International System)
= (In International numeration)
- (ii) Thirteen lakh forty five.
= (In numeral form)
= (In International System)
= (In International numerals)

Solution:

- (i) Four lakh sixty seven thousand three hundred six
= 4, 67, 306
= 467, 306
= Four hundred sixty seven thousand three hundred six
- (ii) Thirteen lakh forty five
= 13, 00, 45
= 130, 045
= One hundred thirty thousand forty five

Question 5.

Fill in the blanks :

- (i) Six hundred four thousand eight hundred forty seven.
= (In numeral form)
= (In Indian System)
= (Number name in Indian System)
- (ii) Two million three hundred ten thousand one hundred four
= (In numeral form)
= (In Indian System)
= (In Indian numeration)
= (In international numerals)

Solution:

(i) Six hundred four thousand eight hundred forty seven

= 6, 04, 847

= 604, 847

= Six lakh four thousand eight hundred forty seven

(ii) Two million three hundred ten thousand one hundred four

= 2, 310, 104

= 23, 10, 104

= Twenty three lakh ten thousand one hundred four

= 2, 310, 104