

PART-II

Class-V

Subject-Maths

EXPANDED FORM:-

To express a number as the sum of the place values of its digits is called **Expanded from**.

Example 1 :- Expanded from of 43,81,60,318

Solution :- 4 ten crores + 3 crores + 8 ten lakhs + 1 lakh + 6 ten thousands + 3 hundreds + 1 ten + 8 ones

STANDARD FORM:-

To express form is the reverse of the expanded from. Here, the face values of all the digits are put in the correct place.

Example 2 :- Standard form of

8 lakhs + 4 ten thousands + 2 thousands + 3 hundreds + 3 tens + 8 ones

Solution :- 8,42,338

SUCCESSOR AND PREDECESSOR OF A NUMBER

A number that comes just after a given number is called the **Successor** of the given number.

To find a successor, we just have to add 1 to the given number.

Example 3 :- Successor of 18,25,559

Solution :- $18,25,559 = 18,25,559 + 1 = 18,25,600$

A number that comes just before a given number is called the **Predecessor** of the given number.

To find the Predecessor, we just have to subtract 1 from the given number.

Example 4 :- Predecessor of 6,68,771

Solution :- $6,68,771 = 6,68,771 - 1 = 6,68,700$

TRY THESE QUESTIONS:-

Q.1 Write the following numbers in the expanded form:

1) 8,11,37,402 2) 19,61,67,801 3) 92,08,33,554 4) 60,42,44,301

Q.2 Write the standard form of the following numbers given in expanded form:

1) $90,00,000 + 8,00,000 + 30 + 6$

2) $20,00,00,000 + 3,00,000 + 20,000 + 4,000 + 40 + 3$

3) $80,00,000 + 5,00,000 + 30,000 + 5,000 + 500 + 60 + 6$

4) $7,00,00,000 + 50,00,000 + 4,00,000 + 80,000 + 3,000 + 2$

Q.3 Find the Successor of:

1) 31,40,10,339 2) 33,33,33,329 3) 52,81,10,801 4) 8,612,814

Q.4 Find the Predecessor of:

1) 8,68,22,883 2) 28,872,101 3) 8,96,32,141 4) 8,82,31,659

ANSWER KEY

Q.1 (1) $8,00,00,000 + 10,00,000 + 1,00,000 + 30,000 + 7,000 + 400 + 2$

(2) $10,00,00,000 + 9,00,00,000 + 60,00,000 + 1,00,000 + 60,000 + 7,000 + 800 + 1$

(3) $90,00,00,000 + 2,00,00,000 + 8,00,000 + 30,000 + 3,000 + 500 + 50 + 4$

(4) $60,00,00,000 + 40,00,000 + 2,00,000 + 40,000 + 4000 + 300 + 1$

Q.2 (1) 98,00,036 **(2)** 20,03,24,043 **(3)** 85,35,566 **(4)** 7,54,83,002

Q.3 (1) 31,40,10,400 **(2)** 33,33,33,330 **(3)** 52,81,10,802 **(4)** 8,612,815

Q.4 (1) 8,68,22,882 **(2)** 28,872,100 **(3)** 8,96,32,140 **(4)** 8,82,31,658

THANK YOU