Teacher Teaching Plan

Topic: Lakh and Crore

1. Topic Overview

This topic covers the concept of lakh and crore, their conversion, and writing numbers in lakh and crore form. Students will learn to understand large numbers and perform calculations with them. This will help them develop problem-solving skills and improve their understanding of numerical values.

2. Learning Objectives

- Students will understand the concept of lakh and crore.
- Students will be able to convert numbers from standard form to lakh and crore form.
- Students will learn to write numbers in lakh and crore form.

3. Textbook Examples (Direct Extraction)

> *Note from Textbook: Babies born in one day = 3,60,000 babies. 3,60,000 is less than one million (10 lakh) Hence, a million babies cannot born in a day.*

> *Note from Textbook: One such number is 77,77,777, which has 60 letters.*

> *Note from Textbook: Strike out 10 digits from the number 12345123451234512345 so that the remaining number is as large as possible.*

4. Prerequisites

Students should have a basic understanding of numbers and place value, including the concept of thousands, millions, and billions.

5. Teaching Plan (Step-by-Step)

5 mins: Intro to lakh and crore, definition and examples.
10 mins: Conversion of numbers from standard form to lakh and crore form.
15 mins: Activity - Writing numbers in lakh and crore form.
10 mins: Discussion - Real-life examples and their significance.

6. Explanation (Level-Aware)

A lakh is equal to 1,00,000 (100,000) and a crore is equal to 10,00,000 (1,000,000). To write numbers in lakh and crore form, we need to group them in sets of two digits, starting from the right. For example, the number 10,30,285 can be written as ten lakhs thirty thousand two hundred eighty-five.

7. Additional Worked Examples

{'example': 'Write the number 5,40,000 in lakh and crore form.', 'solution': 'The number 5,40,000 can be written as 5 crores 40 lakhs.'}

{'example': 'A company has 12,00,000 (12 lakhs) employees. Write this number in crore form.', 'solution': 'The number 12,00,000 can be written as 1 crore 20 lakhs.'}

8. Classroom Questions

- Can you think of a real-life situation where you need to use lakhs and crores?
- How would you convert a number from standard form to lakh and crore form?
- Can you write the number 7,50,000 in lakh and crore form?

9. Homework / Practice

Write the number 2,50,000 in lakh and crore form.

A school has 3,00,000 (3 lakhs) students. Write this number in crore form.

Write the number 9,00,000 in lakh and crore form.

10. Assessment Checklist

☐ Can the student write the number 5,40,000 in lakh and crore form?

☐ Can the student convert a number from standard form to lakh and crore form?

☐ Can the student write the number 7,50,000 in lakh and crore form?

☐ Can the student provide a real-life example of using lakhs and crores?