

3

Subtraction

LESSON PLAN

SPECIFIC OBJECTIVES

The students will

- ▶ learn subtraction of 3-digit numbers by regrouping ones, tens and hundreds digits.
- ▶ learn vertical and horizontal subtraction of 3-digit numbers (without borrowing) under different given conditions.
- ▶ learn vertical and horizontal subtraction of 3-digit numbers (with borrowing) under different given conditions.
- ▶ know the use of subtraction to tackle the daily life problems.

CONTENTS EXPLAINED INSIDE THE CHAPTER

- ▶ Subtraction of 3-Digit Numbers by Regrouping (page 128)
- ▶ Vertical Subtraction Without Borrowing-I (page 129)
- ▶ Vertical Subtraction Without Borrowing-II (page 130)
- ▶ Horizontal Subtraction Without Borrowing (page 131)
- ▶ Vertical Subtraction With Borrowing-I (page 132)
- ▶ Vertical Subtraction With Borrowing-II (page 133)
- ▶ Vertical Subtraction With Borrowing-III (page 134)
- ▶ Vertical Subtraction With Borrowing-IV (page 135)
- ▶ Horizontal Subtraction With Borrowing (page 136)
- ▶ Subtraction Stories-I (pages 137–139)

TEACHING AIDS

- ▶ Grid papers, units cubes, a chalk, a blackboard, a chart paper, etc.

TEACHING STRATEGY

- The teacher should recall the subtraction of numbers upto 2-digits and then ask the students to solve the questions from part (A to C) given in 'Let Us Recall' on page 127.
- Using the expansion of numbers, the teacher should discuss the subtraction of two 3-digit numbers by regrouping the digits at ones, tens and hundreds places, respectively on the blackboard. Thereafter she should go through the page 128 for text and exercise 3.1.
- After that, she should move to the vertical subtraction of 3-digit numbers (without borrowing) under different given conditions. She can use the chalk and a blackboard to solve a few questions in the class and then ask the students to do exercises 3.2 and 3.3 given on pages 129–130.
- Further, the teacher should discuss the horizontal subtraction without borrowing as given on page 131 and ask the students to do exercise 3.4.
- Again, the teacher should do few questions on a blackboard to explain the vertical subtraction of 3-digit numbers (with borrowing) under different given conditions.
- Thereafter, she should go through the pages 132–134 for related text and exercises and involve the students in practising these questions.
- Now, the teacher should explain, how to subtract a 2-digit or 1-digit number from a 3-digit number (with borrowing).
- To make the topic enjoyable, she should involve the students of the class to perform Maths Lab Activity given on pages 140–141. Then she should go to the pages 135–136 for text and exercise.
- Again, the teacher should discuss the horizontal subtraction with borrowing as given on pages 136–137 and ask the students to do exercise 3.9.
- After that, the teacher should talk about some situations from daily life involving applications of subtraction and hence go to solve problems of exercise 3.10.

EXPECTED LEARNING OUTCOMES

Students are able to

- Subtract 3-digit numbers by regrouping the digits at ones, tens and hundred places, respectively.
- Subtract vertically and horizontally 3-digit numbers (without borrowing).
- Subtract vertically and horizontally 3-digit numbers (with borrowing).
- Subtract 2-digit and 1-digit numbers from a 3-digit number (with borrowing).
- tackle the daily life problems involving subtraction of bigger numbers.