Addition & Subtraction up to 19

7

LESSON PLAN

SPECIFIC OBJECTIVES

The students will
- ❍ be able to do addition up to 19 by drawing lines and counting.
- ❍ be able to do addition up to 19 by forward counting.
- ❍ be able to do subtraction up to 19 by drawing lines and crossing them.
- ❍ be able to do subtraction up to 19 by backward counting.

CONTENTS EXPLAINED INSIDE THE CHAPTER
- ❍ Add by Drawing Lines and Counting (page 122)
- ❍ Addition by Forward Counting (page 123)
- ❍ Subtract by Drawing Lines and Crossing Them (page 124)
- ❍ Subtraction by Backward Counting (page 125)

TEACHING AIDS
Number tape, tens and ones paper slips (up to 19), a chalk, a few concrete objects, etc.

TEACHING STRATEGY
- ❍ The teacher should divide the class into groups of 2–3 students and she should perform some activities with these groups to make clear the concept of 'Addition by drawing lines and counting' and 'Subtraction by drawing lines and crossing them'. Thereafter, go through the pages 122 and 124 for providing more practice to the students.
- ❍ The teacher may use number tape for adding two numbers whose sum does not exceed 19. To do this, she should invite the students in groups of 4–5 students and provide them a number tape. Then, ask them to count forward from a particular number by 1, 2, 3, …, 9 and express the facts using an addition sentence. For example,

7	8	9	10	11	12	13	14	15	16	17	18	19

Start

1 2 3 4 5 6 7 8 9

Forward Counting
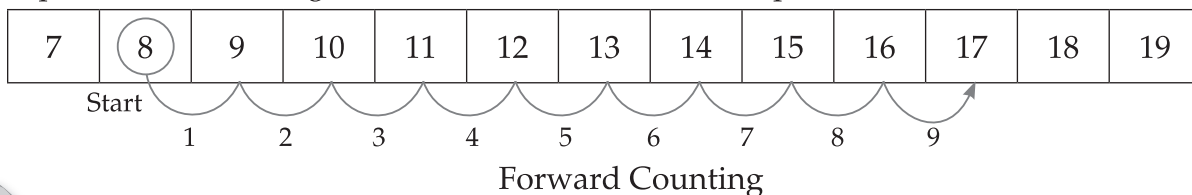
Count by 1, ⑧ + 1 = 9 ;   Count by 2, ⑧ + 2 = 10

Count by 3, ⑧ + 3 = 11 ;   Count by 4, ⑧ + 4 = 12

Similarly, count by 9, ⑧ + 9 = 17

Thereafter, go through the page 123 for providing more practice to the students.

❍ Again, the teacher may invite the students in groups and use a number tape for counting backward on it to subtract a 1-digit number from a 2-digit number (up to 19). She should ask each student to count backward by 1, 2, 3, 4, …, 9 and express the fact using the subtraction sentence.

| 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |

Start
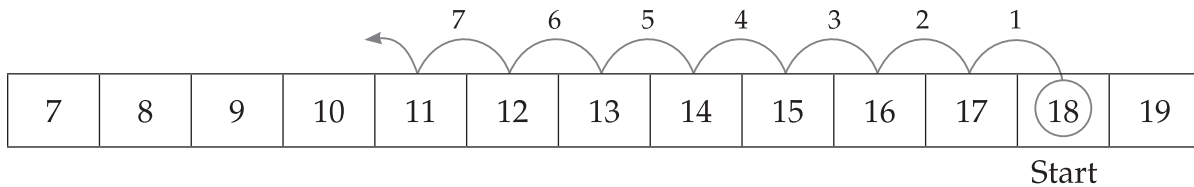
Count by 1, ⑱ − 1 = 17 ;   Count by 2, ⑱ − 2 = 16

Count by 3, ⑱ − 3 = 15 ;   Count by 4, ⑱ − 4 = 14

Similarly, count by 9, ⑱ − 9 = 9

Thereafter, go through the page 125 for providing more practice to the students.

EXPECTED LEARNING OUTCOMES

Students are able to

❍ do addition by drawing lines and counting.

❍ do addition by forward counting.

❍ do subtraction by drawing lines and crossing them.

❍ do subtraction by backward counting.