Chapter- 6
Addition

STUDY NOTES

LEARNING OBJECTIVE: Learners will be able to get a piece of knowledge about adding by counting forward, adding on a number line, Addition of a 1-digit and a 2-digit number (without carrying over), Addition of 2-digit numbers (without carrying over), Addition of Three, 2-digit numbers (without carrying over), Addition of a 1-digit number and a 2-digit number(with carryover), Addition of Two 2-digit numbers (with carryover), Addition of Two 3-digit numbers, Word problems.

Add by counting forward: To add we have to count forward.
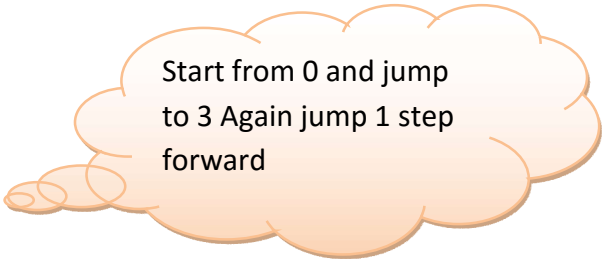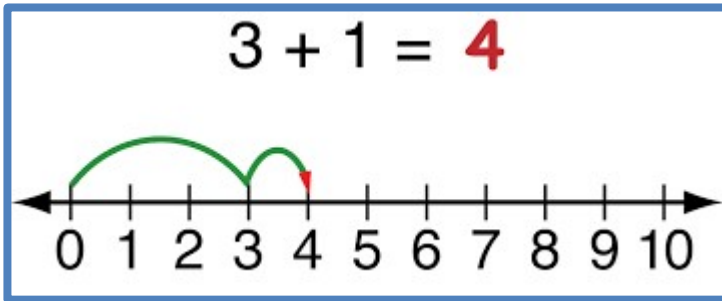
Example 1:

Example 2:

4 + 3 = 7

Example 3: Keeping bigger numbers in mind and count fingers for a smaller number.

5 + 9 = 14

Addition on number line:

Example: Add 3 and 1 = 4

$$3 + 1 = 4$$

0 1 2 3 4 5 6 7 8 9 10

Start from 0 and jump to 3 Again jump 1 step forward

Addition of a 1-digit number and a 2-digit number. (without carrying over):

Example: Add 45 and 3

T	O
4	5
	3
4	8

+

Step 1: Add Ones place digits and write the answer in Ones column.

Step 2: As there nothing to add in tens column, bring down 4 as it is.

4 tens and 8 ones make 48

Addition of Two 2-digit numbers. (Without carrying over):

Example: Add 67and 23

T	O
6	7
2	2
8	9

+

Step 1: Add Ones place digits and write the answer in Ones column.

Step 2: Now add tens digits and write the answer in tens column.

8 tens and 9 ones make 89

Addition of Three 2-digit numbers. (Without carrying over):

Example: Add 25,12and 10

	T	O
	2	5
+	1	2
	1	0
	4	7

Step 1: Add Ones place digits and write the answer in Ones column.

Step 2: Now add tens digits and write the answer in tens column.

4 tens and 7 ones make 47

Addition of a 1-digit number and a 2-digit number. (with carryover):

Example: Add 57 and 6

	T	O
	1	
	5	7
+		6
	6	13

Step 1: Add Ones place digits and write the answer in Ones column. 7ones + 6 ones = 13 ones = 1 ten and 3 ones.

Step 2: Now carry 1 ten from ones place to tens place and keep 3 ones in ones place.

Step 3: Now add tens column digit. 1 ten + 5 tens = 6 tens

6 tens and 3 ones make 63

Addition of Two 2-digit numbers. (With carrying over):

Example: Add 34 and 58

T	O
①	
3	4
5	8
9	⑫

+

Step 1: Add Ones place digits and write the answer in Ones column. 4ones + 8 ones = 12 ones = 1 ten and 2 ones.

Step 2: Now carry 1 ten from ones place to tens place and keep 2 ones in ones place.

Step 3: Now add tens column digits. 1 ten + 3 tens +5 tens = 9 tens

9 tens and 2 ones make 92

Addition of Two 2-digit numbers. (With carry over):

Example: Add 635 and 264

H	T	O
6	3	5
2	6	4
8	9	9

+

Step 1: Add Ones place digits and write the answer in Ones column.5 ones + 4 ones = 9 ones

Step 2: Now add tens digits and write the answer in tens column. 3 tens + 6 tens = 9 tens.

Step 3: Now add hundreds place digits.

6 hundreds + 2 hundreds = 8 hundreds   **Answer 899**

So, the answer is **899**

Word Problems:

Example:

There are 23 birds on a tree and 16 birds on another tree. How many birds are there in all?

	T	O
Number of birds on one tree	2	3
Number of birds on another tree (+)	1	6
Total number of birds	3	9

So, there are 39 birds in all

KEY WORDS FOR ADDITION

addition
+
plus
sum
and

total of
in all
altogether
together

LEARNING OUTCOME:

Learners can add different 1- digit,2-digits, and 3-digit numbers. They can also solve word problems by finding the keywords.