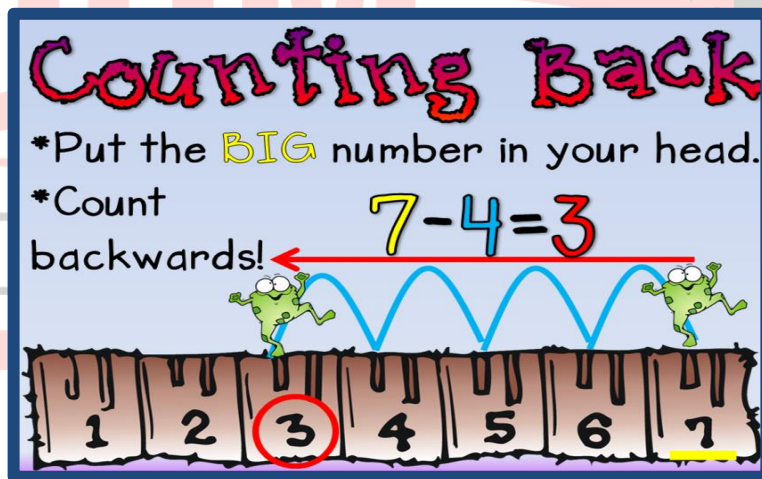Chapter-7

SUBTRACTION

STUDY NOTES

- ➢ Subtraction by counting backward
- ➢ Subtraction using a number line
- ➢ Subtraction of a 1-digit number from a 2-digit Number
- ➢ Subtraction of 2-digit Numbers (without borrowing)
- ➢ Subtraction of a 1-digit number from a 2-digit Number (without borrowing)
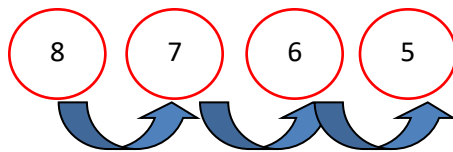- ➢ Subtraction of Two 2-digit Numbers (without borrowing)
- ➢ Word problems.

Subtract by counting backward: In this method, we have to count backward to subtract.
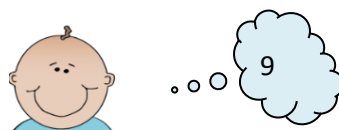
Example 1:

Example 2:

8 – 3 = 5

Example 3: Keeping bigger numbers in mind and count backward for smaller numbers.
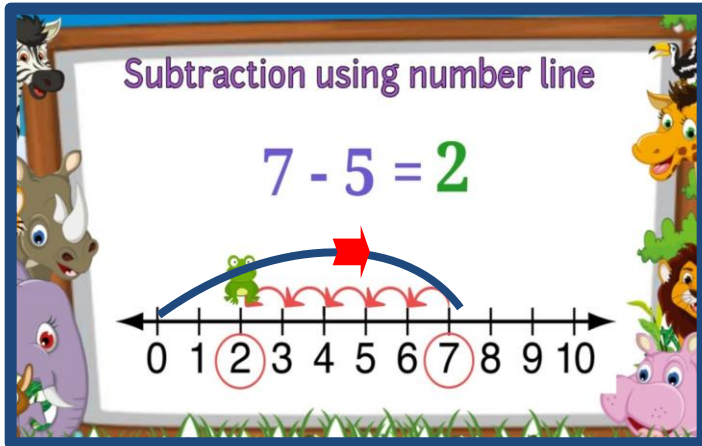
9 - 5 = 4

8…7…6…5…4

Subtraction on a number line:
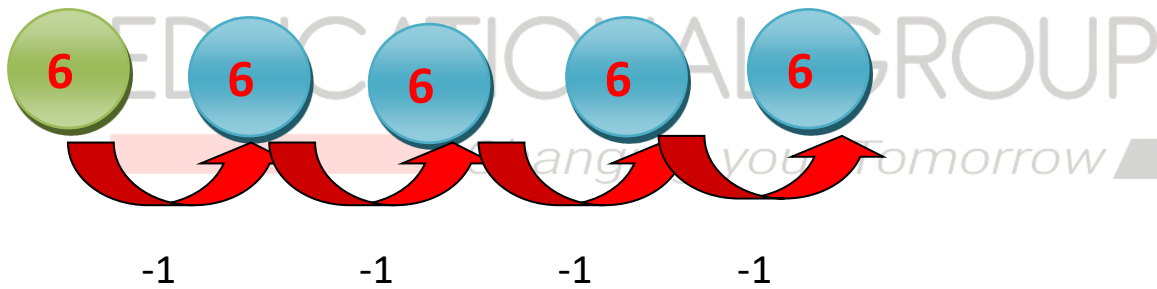
Example: Subtract 5 from 7

Start from 0 to 7 and jump 5 steps backwards. Circle the number you reach at.

Subtraction of a 1-digit number from a 2-digit number. (without borrowing):

Example: Subtract 4 from 65.

We can subtract by counting backward.

-1   -1   -1   -1

Example 2:

T	O
6	5
-	4
6	1

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

Step 2: As there nothing to subtract in tens column, bring down 6 as it is.

6 tens and 1 one makes 61

Subtraction of two 2-digit numbers. (Without borrowing)

Example: Subtract 23 from 67

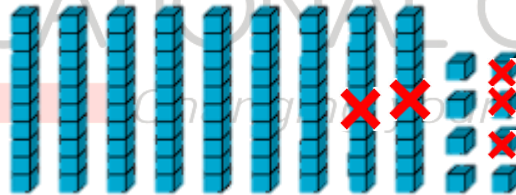| T	O
6	7
2	3
2	4

–

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

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

2 tens and 4 ones make 24

Example 2:

T	O
9	8
2	3
7	5

–

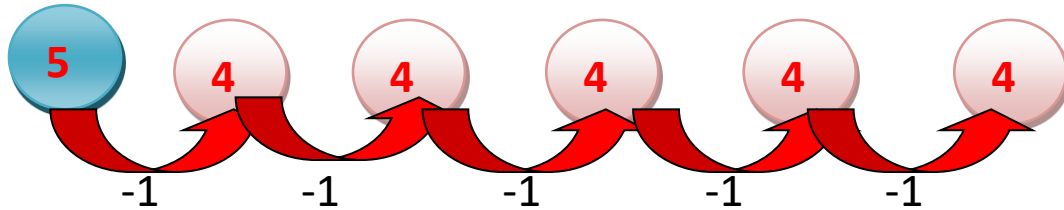Step 1: Subtract Ones place digits and write the answer in Ones column.

Step 2: Now subtract tens place digits and write the answer in tens column.
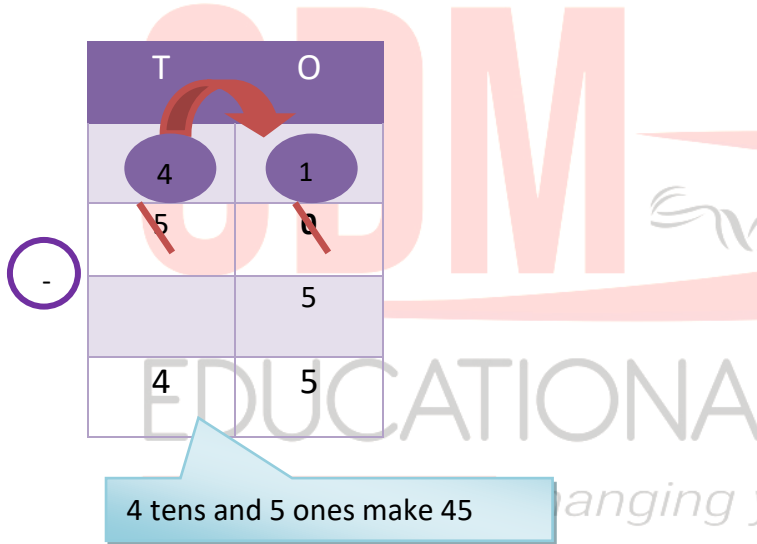
7 tens and 5 ones make 75

Subtraction of a 1-digit number from a 2-digit number. (with borrowing):

Example 1: Subtract 5 from 50.

We can subtract by counting backward.

Example 2: Subtract 5 from 50.

T	O
~~4~~ 5	~~1~~ 0
-	
	5
4	5

4 tens and 5 ones make 45

Step 1: Subtract Ones .

Step 2: As 5 is greater than 0, we borrow 1 ten from tens column.

Step 3: Now we have 4 tens and 10 ones. So, 10 – 5 = 5 . Write 5 under ones column.

Step 4: As there is nothing to be subtracted from tens column, bring down 4 as it is under tens column. So, 50 – 5 = 45.

Subtraction of two 2-digit numbers. (With borrowing):

Example: Subtract 35 from 54.

54 - 35

T	O
4	1
5	4
3	5
1	9

-

Step 1: Subtract Ones.

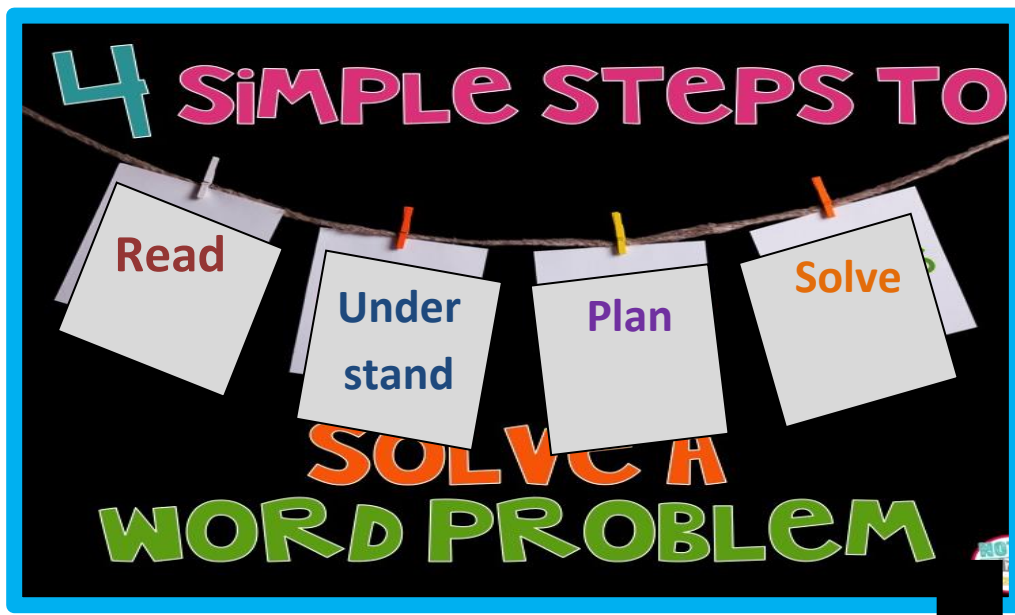Step 2: As 5 is greater than 4, we borrow 1 ten from tens   column.

Step 3: Now we have 4 tens and 14 ones. So, 14 – 5 = 9 . Write 9 under ones column.

Step 4: As we have borrowed 1 ten from tens column, 4 tens left in tens column. Now subtract 3 tens from 4 tens. 4 tens – 3 tens = 1 ten.

So, 54- 35 = 19.

1 ten and 9 ones make 19

Word Problems: To solve subtraction word problems we have to follow the following steps.

➡️ **While solving word problems we have to find out the following keywords in the story.**

Subtraction Keywords

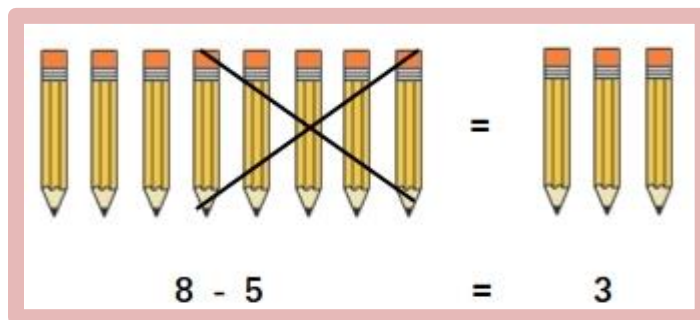|	
give away	how many more
take away	how many left
remaining	how many less
difference	how many did not

Word Problems:

Example: Rohan has 8 pencils. He gives away 5 pencils to his friends. How many pencils does he have now?

Step 1: Read the story carefully.

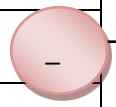**Step 2**: Understand it by finding out the key words. In this story the key word is 'gives away'.

Step 3: Plan what to do. As 'take away' is a key word for subtraction, we subtract.

Step 4 : Now solve the problem.

8 - 5 = 3

Example 2: There are 49 birds on a tree, 16 birds fly away. How many birds are left on the tree?

Number of birds on one tree	→	4 9
Number of birds fly away (−)	→	1 6
Number of birds left	→	3 3

So, there are 33 birds left on the tree.

SYMBOLS WE USE WHILE SUBTRACTING

Minus   **Equal to**

SUBTRACTION FACTS

When 0 is subtracted from any number, the difference is the number itself. Ex: 7-0=7

When 1 is subtracted from any number, we get the number just before it. Ex: 7-1=6

When a number is subtracted from itself, the difference is 0. Ex: 7-7=0

MIND MAP

Subtraction of Two 2-digit Numbers

Word problems.

Subtraction of a 1-digit number
Subtraction of a 1-digit number

Subtraction of 2-digit Numbers

Subtraction of a 1-digit number from a 2-digit Number

Subtraction using a number line

Subtraction by counting backward

SUBTRACTION