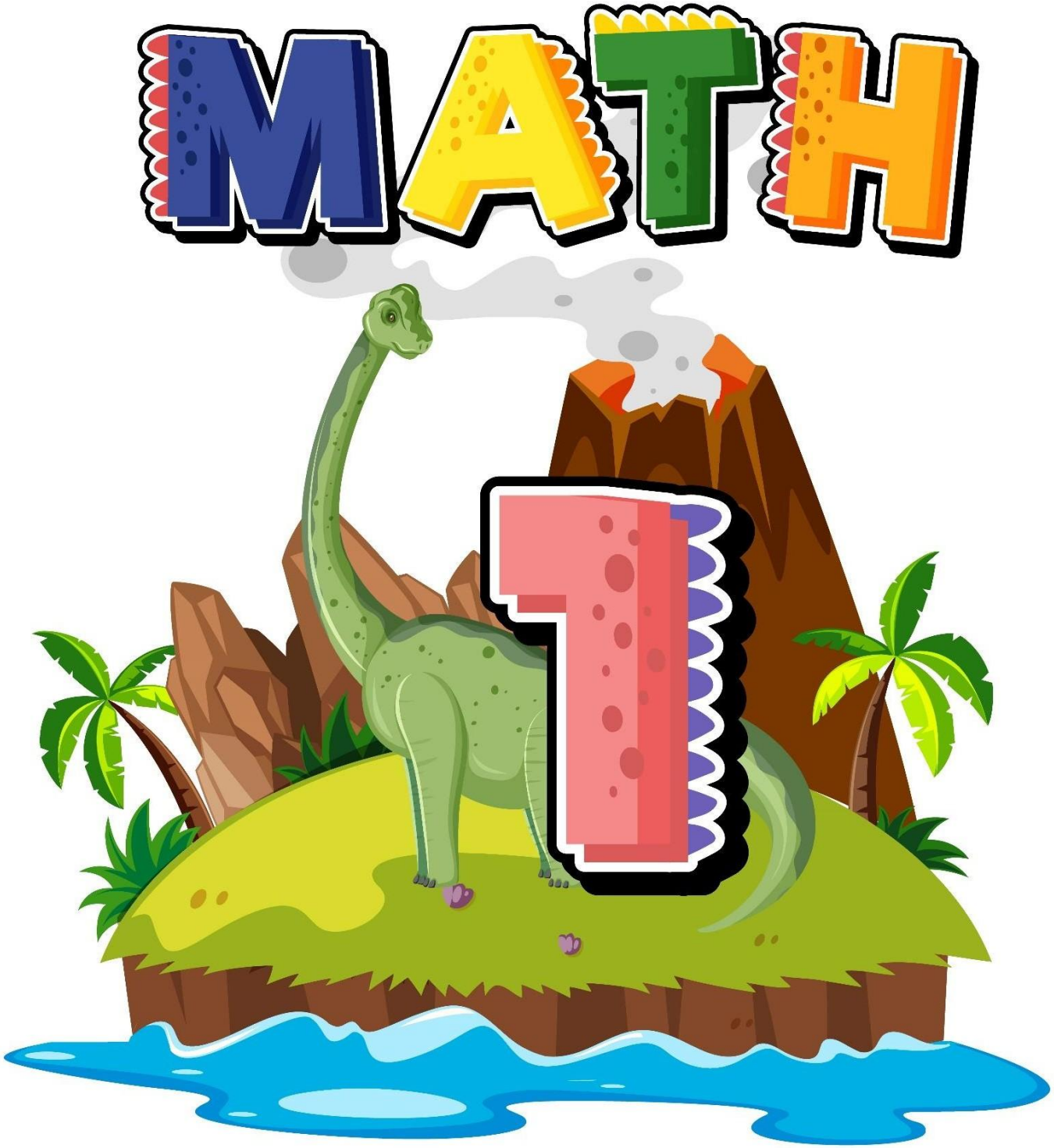


CHAPTER 6: SUBTRACTION

SUBTRACTION

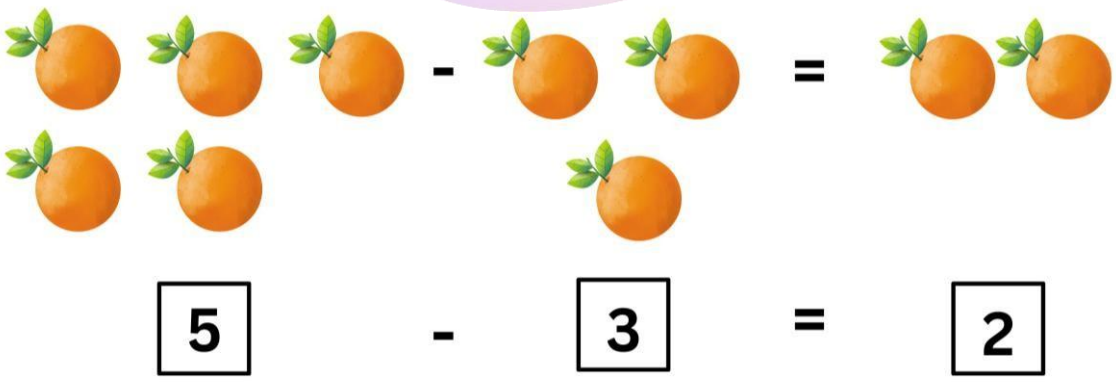
➢ INTRODUCTION

Suppose there are 6 apples in a fruit basket. 2 apples are eaten by Gannu. How many apples will be left? How will you calculate? This problem can be solved by subtraction.

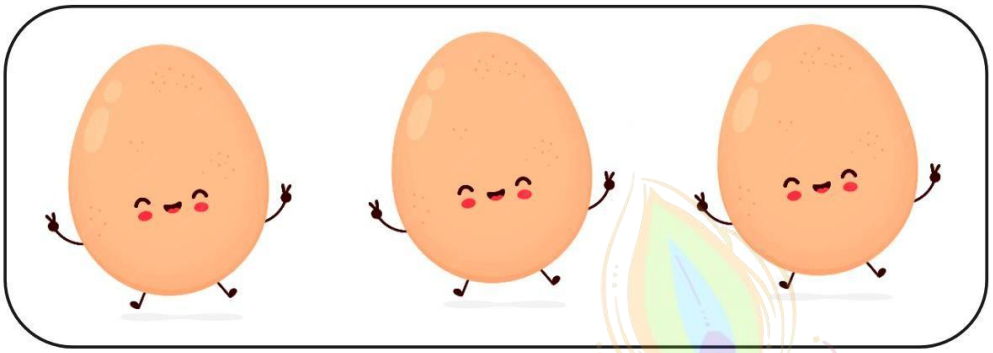
Subtraction means taking away something from a group.

The result of subtraction is known as 'difference'.

The sign used for subtraction is minus (-)



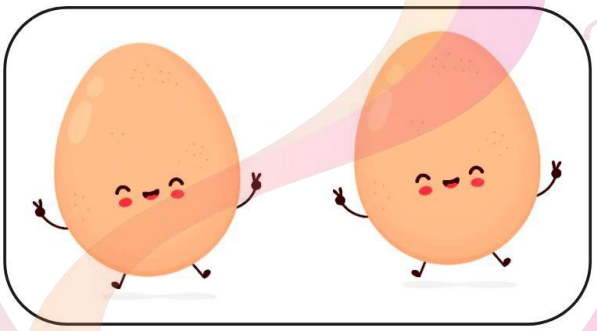
Subtraction means taking out something from some longer unit and in this process finding the outcome as left over. Let's understand this through an example: There are three eggs in the box given below:



Three eggs

From this box Steve eats one egg then how many eggs are left?

Steve eats one egg then one egg will disappear from the box as shown below:



Two eggs

Now two eggs are seen in the box. Therefore, this means two eggs are left over and the outcome of this subtraction process is 2.

Let's understand it another way:

Total eggs in the box = 3

[1] = egg eaten by Steve = [3] – [1] = [2]

And 2 = outcome or left over

Here, '_' is the sign of subtraction and it is read as 'minus', and = is the sign of 'is equal to' or 'is same as'.

Thus,

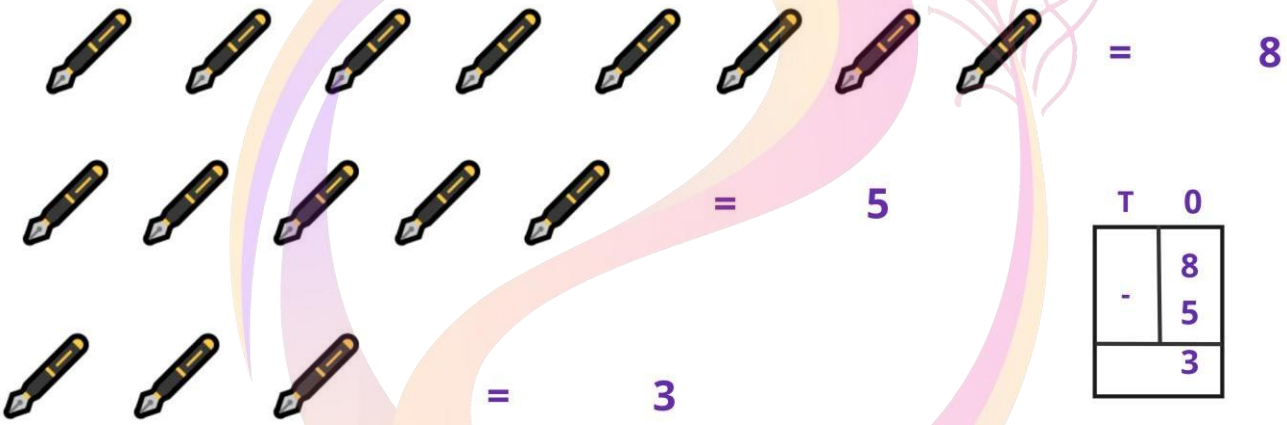
[3] – [1] = [2]

It is read as 'three minus one is equal to two' or 'three minus one is same as two'.

➢ METHODS OF SUBTRACTION

Vertical subtraction:

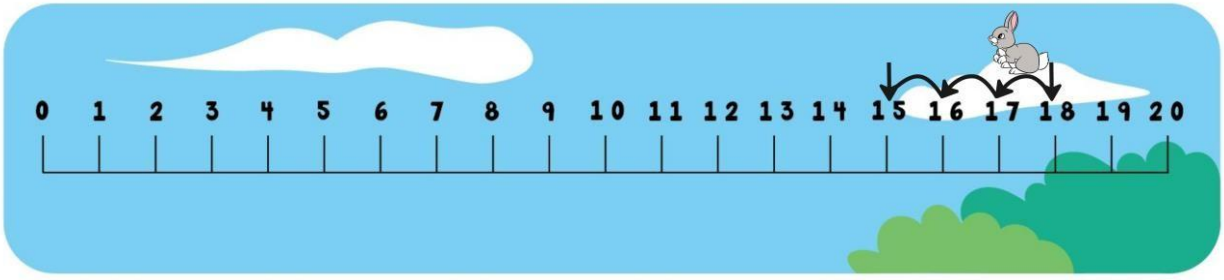
Just like addition, we can do subtraction vertically. Suppose Ram has 8 pencils, out of which he has given 5 pencils to Shyam. How many pencils are left with him now?



Subtraction using the number line:

Roni Rabbit wants to subtract 3 from 18. Roni is standing on 18.

To subtract 3 from 18, it has to move 3 steps back

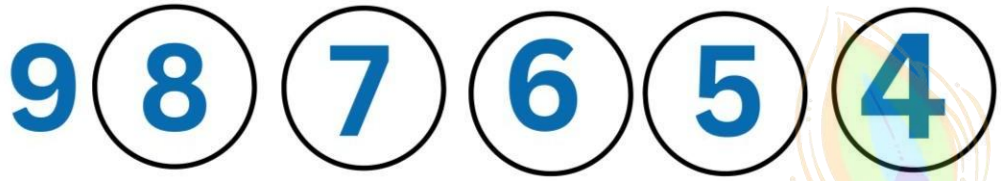


On jumping backwards, Roni Rabbit reaches 15. So, 18 - 3 = 15

Subtraction by backward counting:

Shreya has 9 muffins. She gives 5 to his brother. How many muffins are left with Shreya.

Start from 9 and count 5 numbers backward.



So, 9 - 5 = 4

Let us take one more example.

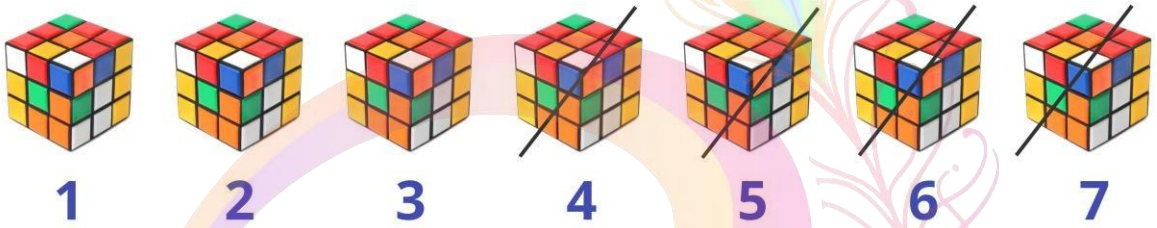
Start from 20 and count 9 numbers backward 20 - 9 = 11

Subtraction by striking out:

Suppose, Shelly has 6 basket balls. Out of which she lost two balls. How many balls are left with her now?

6 2 = 4

Similarly,



Subtraction of zero from a number:

Vineet has seven ice-creams. He gave nothing to his friend. Now how many ice creams does Vineet has?

7 – 0 = 7

On subtracting zero from a number, we get the number itself.

On subtracting 1 from a number, we get the number just before it.

Example:

8 – 0 = [?]

(a) 8

(b) 0

(c) 6

(d) 2

Answer- (a)

Questions:

1. 16 – 0 = [?]

(a) 0

(b) 15

(c) 16

(d) 17

2. 4 – 0 = [?]

(a) 5

(b) 4

(c) 0

(d) 1

Answer-

1: (c)

2: (b)