



# NUMBER POWER



TIMELY PUBLICATION



TIMELY PUBLICATION



# NUMBER POWER

A Mathematics Book

# B



PASTE YOUR PHOTO

My name is.....

I am.....years old.

I am in Std. ....

My school name is.....

.....

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# 1

## Numbers

Fill in the missing forward numbers .

1									10
		13							
21					26				
							38		
41									50
					56				
61									
				75	76				80
							86		
91									100

Date : ..../..../....

Remark : .....

Fill in the missing backward numbers.

100									91
					85				
80				76	75				
									61
				56					
50									41
		38							
				26					21
							13		
10									1

Date : .... / .... / ....

Remark : .....

## 2. Big and Small

Big and Small refer to the size of an objects.

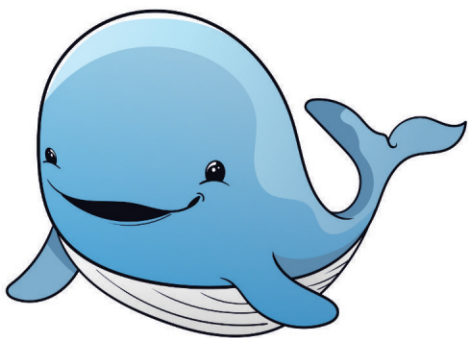


The Ball  
is Big.



The apple  
is Small.

Here are some other examples of Big and Small.



Big

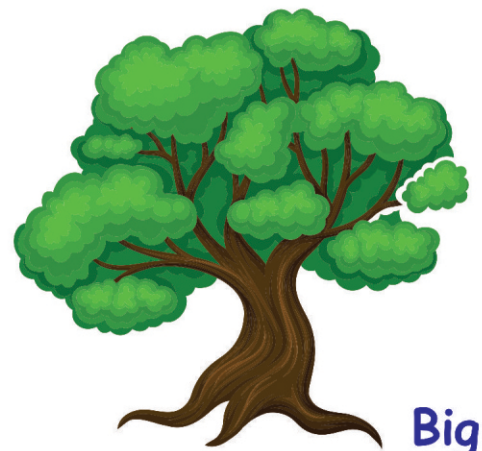


Small

Here the Whale is Bigger than the Turtle and the Turtle is Smaller than the Whale.

Here the Tree is Bigger than the Plant and the Plant is Smaller than the Tree.

Small



Big

Date : .../.../....

5

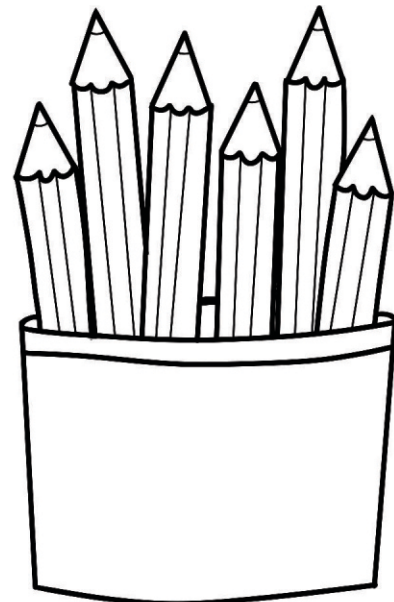
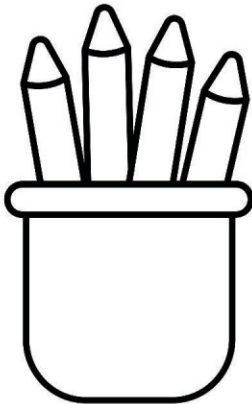
Remark : .....

# ?Activity :

Write **(B)** for the Bigger and **(S)** for the Smaller object.



Colour the crayons in different colors which are **BIG** in size.



Date : ..../..../....

Remark : .....

# 3. Tall and Short

Tall and Short refer to the height of the objects.



Here are some other examples of Tall and Short.

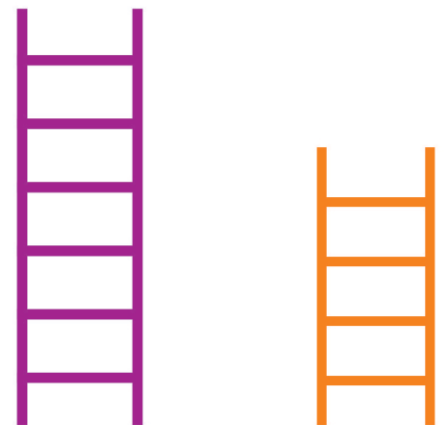


Short

Tall

Here the Tree is **Taller** than the Panda and the Panda is **Shorter** than the Tree.

Here the Purple Ladder is **Taller** than the Orange Ladder and the Orange Ladder is **Shorter** than the Purple Ladder.



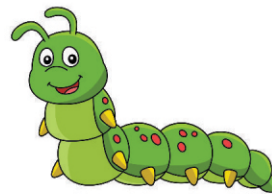
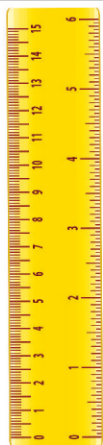
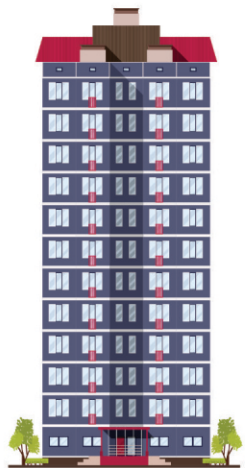
Tall

Short



# Activity :

Identify the image and write **Tall** and **Short**.



Date : .... / .... / ....

Remark : .....

# 4. Heavy and Light

Heavy and Light refer to weight of the objects.



I am Heavy.



I am Light.

Here are some other examples of Heavy and Light.



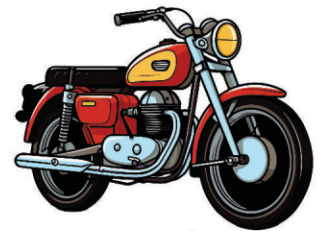
Light



Heavy

Here the Snake is Heavy than the Caterpillar and the Caterpillar is Light than the Snake.

Here the Truck is Heavy than the Motorbike and the Motorbike is Light than the Truck.



Light

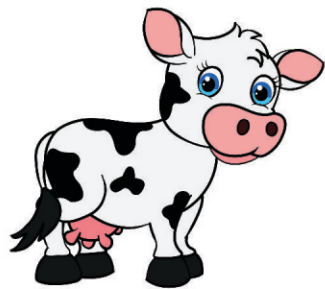


Heavy



# Activity :

Identify the image and write **Heavy** and **Light**.



Date : .../.../...

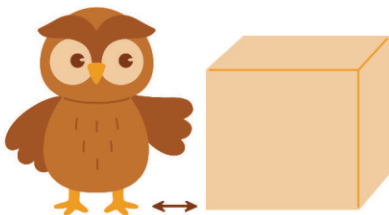
Remark : .....

# 5. Near And Far

Near and Far refer to the distance of objects.

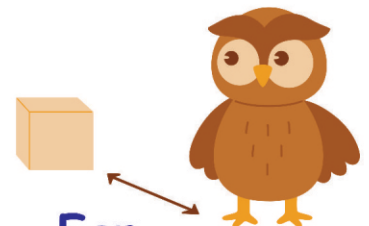


Here are some other examples of **Near** and **Far**.



Near

Here the Owl is standing  
**Near** to the Box.



Far

Here the Owl is standing  
**Far** from the Box.



Far

Here the Dog is seated  
**Far** from the House.



Near

Here the Dog is seated  
**Near** to the House.

Date : .../.../....

Remark : .....

# ?Activity :

Look at the picture and colour the correct box in green colour.



Near

Far

Near

Far



Near

Far



Near

Far



Near

Far

Near

Far

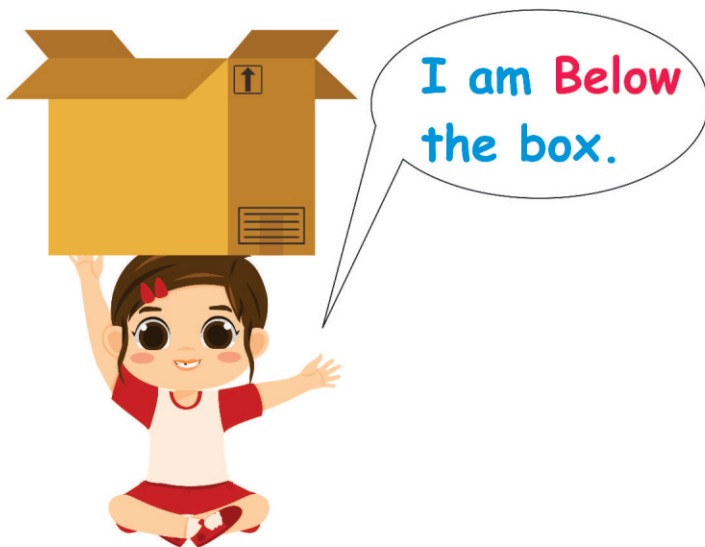


Date : ..../..../....

Remark : .....

# 6. Above and Below

Above indicates something that is Higher in position.  
While Below indicates something that is Lower position.



Here are some other examples of **Above** and **Below**.

**Above**



**Below**



Here the Cat is **Above** the Table  
and the Dog is **Below** the Table.

Here the Fox is **Above** the Log  
and the Nuts are **Below** the Log.



**Below**

# ?Activity :

Answers the following questions.



1) What you see Above the Tree ?

(Monkey / Birds) Ans.: \_\_\_\_\_ .

2) What you see Below the Parrot ?

(Birds / Deer) Ans.: \_\_\_\_\_ .



1) What you see Above the Bug ?

(Butterfly / Grass) Ans.: \_\_\_\_\_ .

2) What you see Below the butterfly ?

(Flower / Sky) Ans.: \_\_\_\_\_ .

1) What you see Below the Tree ?

(Cow / Parrot) Ans.: \_\_\_\_\_ .

2) What you see Above the Ant ?

(Dragonfly / Cow) Ans.: \_\_\_\_\_ .



1) What you see Above the House ?

(Airplane / Dog) Ans.: \_\_\_\_\_ .

2) What you see Below the Bird ?

(Dog / Airplane) Ans.: \_\_\_\_\_ .



Date : ..../..../....

Remark : .....

# 7. Fat and Slim

Fat and Slim refer to size and thickness of objects.



I am Fat.



I am Slim.

Here are some other examples of Fat and Slim.



Slim



Fat

Here the Hippo is Fat than the Ostrich and the Ostrich is Slim than the Hippo.

Here the Basket ball is Fat than the Pencil and Pencil Slim than Basket ball.



Fat



Slim

**?Activity** : Look at the image and draw a Circle ○ around Slim things and Square □ around Fat things.



Date : .../.../....

Remark : .....

# 8. Inside and Outside

Inside and Outside refer to the position of objects.

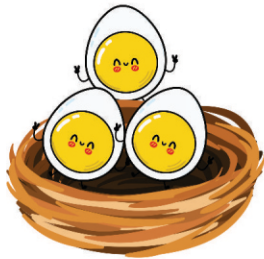


The Dog is Inside the house.

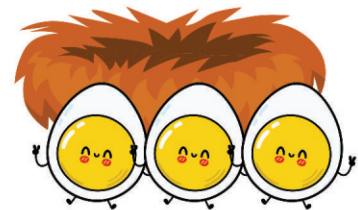


The Dog is Outside the house.

Here are some other examples of Inside and Outside.



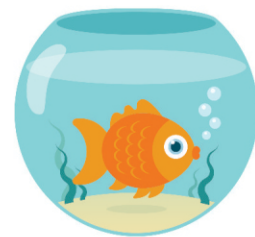
Here the Eggs are Inside the Nest.



Here the Eggs are Outside the Nest.



Here the Fish is Outside the Water.



Here the Fish is Inside the Fish pot.

# ? Activity :

Look at the picture and write which object is **Inside** or **Outside**.



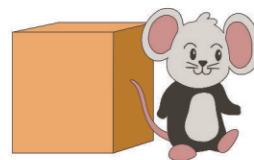
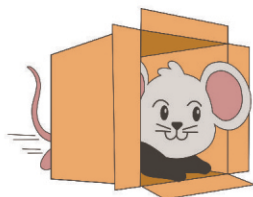
1. Fish -

2. Deer -

4. Turtle -

3. Crab -

? Observe the picture and write **IN** for side and **OUT** for side.



Date : .../.../...

Remark : .....

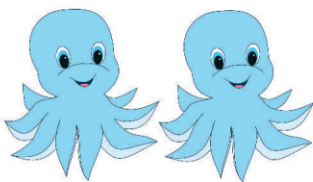
# 9. Many and Few

Many refer to maximum number of an objects. While few refer to minimum number of an objects.

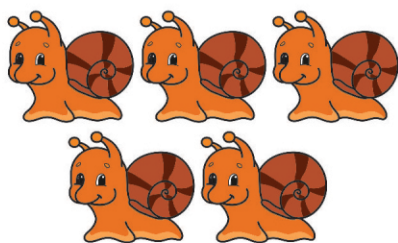
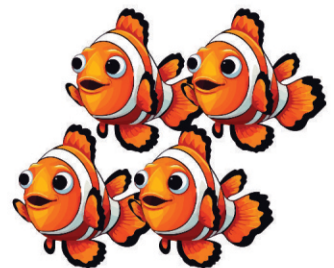


The total number of Fruits in first picture are 10 so that we called them **MANY** and the total number of Fruits in the second picture are 3 or less than 10 so that we called them **FEW**.

Here are some other examples of **Few** and **Many**.



Here the Octopus are 2 and the Fishes are 4 so that we called Octopus are **FEW** and Fishes are **MANY**.



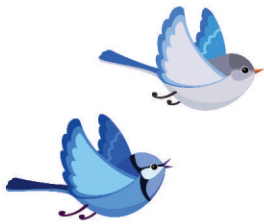
Here the Snails are 5 and the Flowers are 3 so that we called Snails are **MANY** and Flowers are **FEW**.



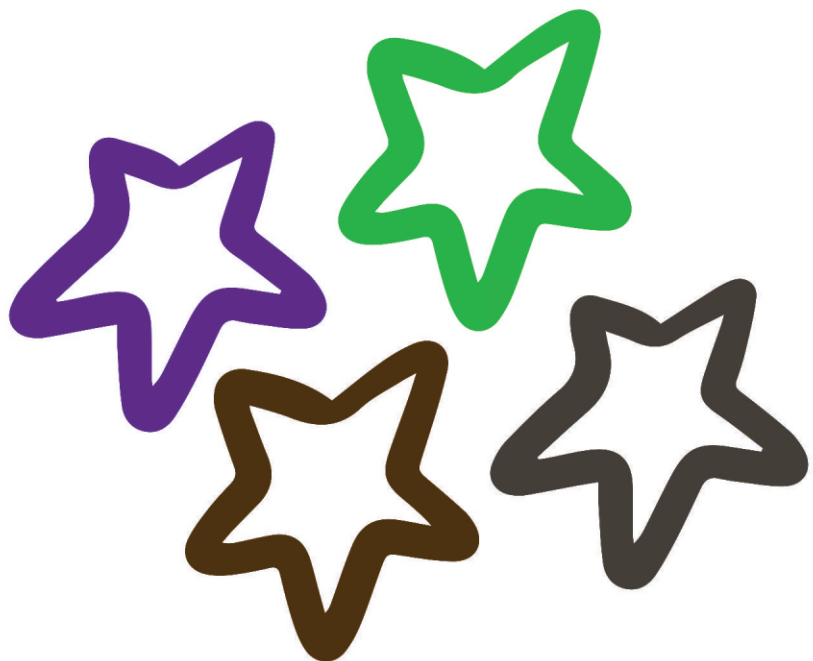


# Activity :

Identify the image and write **Many** and **Few**.



Colour the collection which are **MANY** number of objects.



Date : ..../..../....

Remark : .....

# 10. Ordinal Number

When numbers show position on place of a person on a thing a series that series is called Ordinal number.

1<sup>st</sup> 2<sup>nd</sup> 3<sup>rd</sup> 4<sup>th</sup> 5<sup>th</sup> 6<sup>th</sup> 7<sup>th</sup> 8<sup>th</sup> 9<sup>th</sup> 10<sup>th</sup>

First Second Third Fourth Fifth Sixth Seventh Eighth Ninth Tenth

There are Ten children in a que with their position.



## ? Activity :

Answer the following questions.

1. Circle the 4<sup>th</sup> bird from left.



2. Square the 6<sup>th</sup> butterfly from left.



Date : .../.../....

21

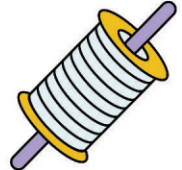
Remark : .....



Answer the following questions.



1. The  is in the \_\_\_\_\_ place.



2. The  is in the \_\_\_\_\_ place.

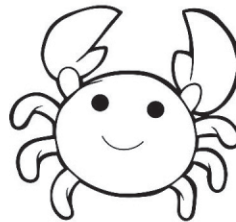
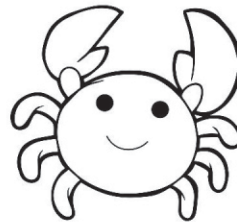
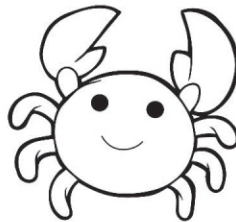
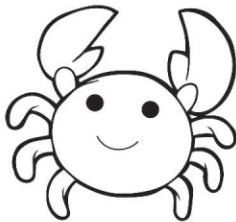
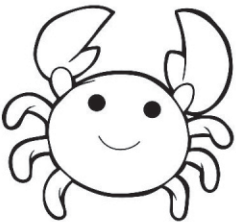


3. The  is in the \_\_\_\_\_ place.



Answer the following questions.

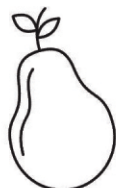
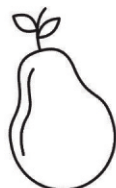
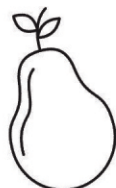
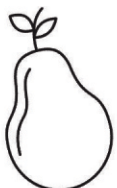
1. Colour the second CRAB :



2. Colour the fourth BAT :



3. Colour the seventh PEAR :



Date : .... / .... / ....

Remark : .....

# 11. Number Names 1 To 50



1	One	11	Eleven	21	Twenty-One
2	Two	12	Twelve	22	Twenty-Two
3	Three	13	Thirteen	23	Twenty-Three
4	Four	14	Fourteen	24	Twenty-Four
5	Five	15	Fifteen	25	Twenty-Five
6	Six	16	Sixteen	26	Twenty-Six
7	Seven	17	Seventeen	27	Twenty-Seven
8	Eight	18	Eighteen	28	Twenty-Eight
9	Nine	19	Nineteen	29	Twenty-Nine
10	Ten	20	Twenty	30	Thirty

Date : .... / .... / ....

Remark : .....



31 Thirty-One

32 Thirty-Two

33 Thirty-Three

34 Thirty-Four

35 Thirty-Five

36 Thirty-Six

37 Thirty-Seven

38 Thirty-Eight

39 Thirty-Nine

40 Forty



41 Forty-One

42 Forty-Two

43 Forty-Three

44 Forty-Four

45 Forty-Five

46 Forty-Six

47 Forty-Seven

48 Forty-Eight

49 Forty-Nine

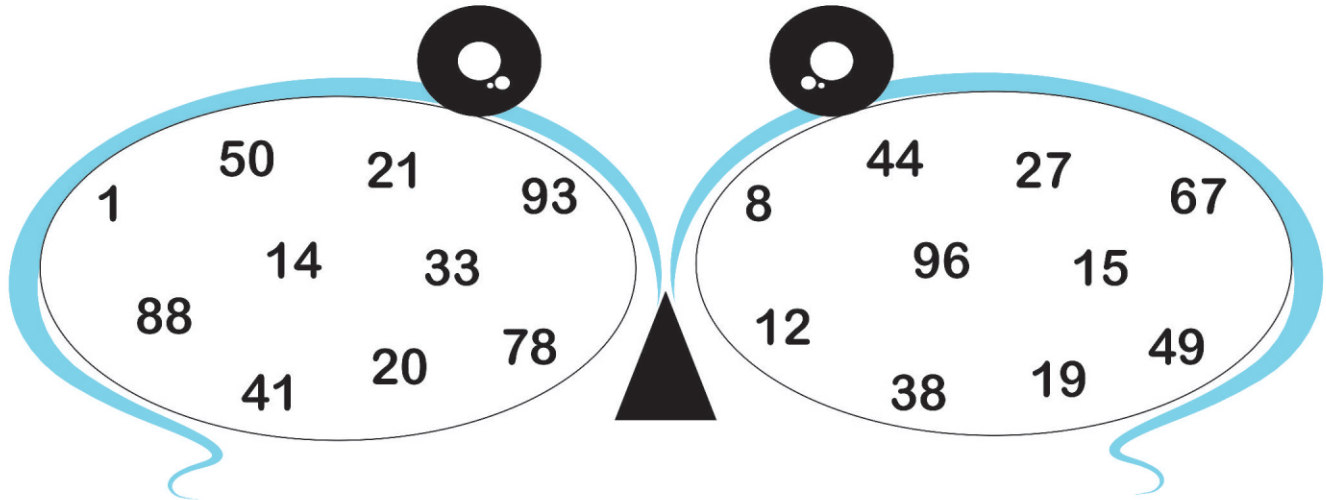
50 Fifty

Date : .... / .... / ....

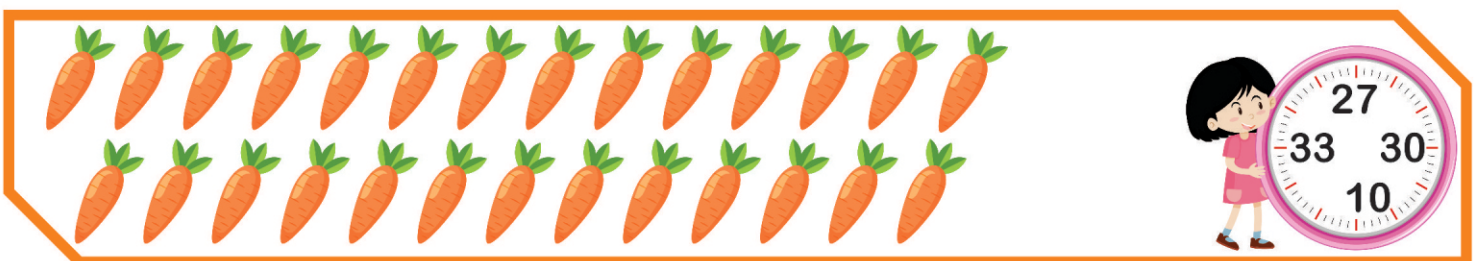
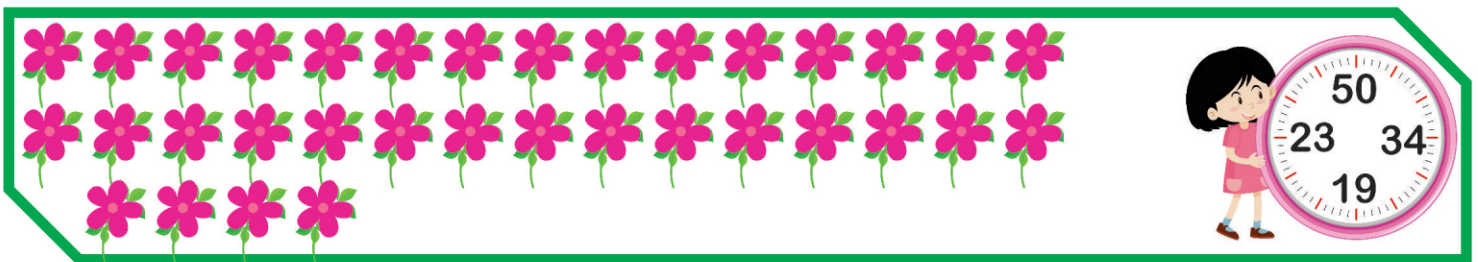
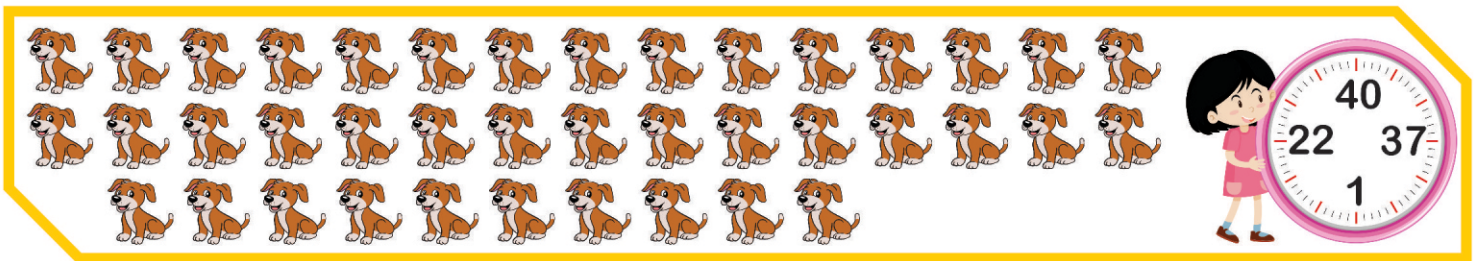
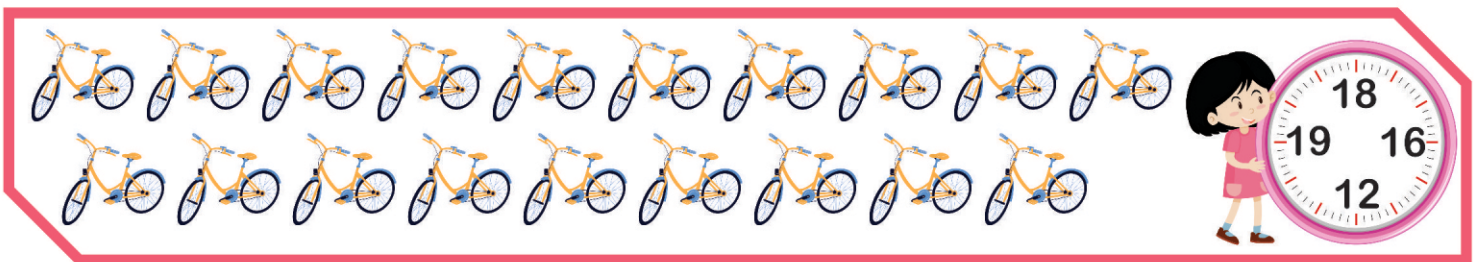
Remark : .....

# ? Activity :

Encircle the number between 1 To 50.



Count and circle the correct number.



Date : .... / .... / ....

Remark : .....

# 12. Number Names 51 To 100



51 Fifty - One      61 Sixty-One      71 Seventy-One

52 Fifty -Two      62 Sixty-Two      72 Seventy-Two

53 Fifty -Three      63 Sixty-Three      73 Seventy-Three

54 Fifty -Four      64 Sixty-Four      74 Seventy-Four

55 Fifty -Five      65 Sixty-Five      75 Seventy-Five

56 Fifty -Six      66 Sixty-Six      76 Seventy-Six

57 Fifty -Seven      67 Sixty-Seven      77 Seventy-Seven

58 Fifty -Eight      68 Sixty-Eight      78 Seventy-Eight

59 Fifty -Nine      69 Sixty-Nine      79 Seventy-Nine

60 Sixty      70 Seventy      80 Eighty

Date : .... / .... / ....

Remark : .....



81 Eighty-One

82 Eighty-Two

83 Eighty-Three

84 Eighty-Four

85 Eighty-Five

86 Eighty-Six

87 Eighty-Seven

88 Eighty-Eight

89 Eighty-Nine

90 Ninety



91 Ninety-One

92 Ninety-Two

93 Ninety-Three

94 Ninety-Four

95 Ninety-Five

96 Ninety-Six

97 Ninety-Seven

98 Ninety-Eight

99 Ninety-Nine

100 Hundred

# ? Activity :

Complete the number names and match the following.

NI...TY-FIV.....

58

EIG...TY-TW.....

95

SE...EN...Y

82

E...FTY-EI...HT

64

SI...TY-FOU.....

70



Write the number name for each of the following.

77

89

87

63

56

94

67

55

98

79

Date : .../.../....

Remark : .....



Fill in the blanks.

1 1 Eleven 11

27 [ ] [ ]

[ ] [ ] Thirty - Five 35

41 [ ] [ ]

5 2 Fifty - Two [ ]

69 [ ] 6 9

7 [ ] Seventy - Six 76

82 [ ] [ ]

9 9 [ ] [ ]

[ ] Hundred 1 0 0

Date : .../.../...

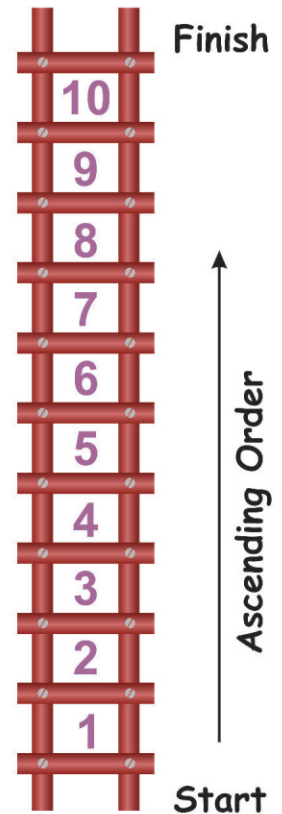
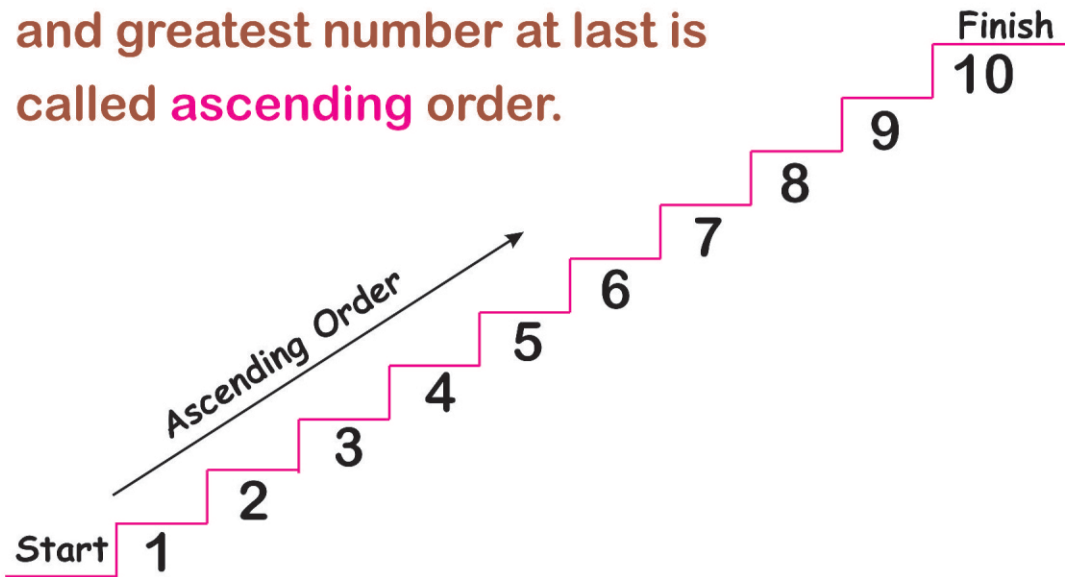
Remark : .....

# 13. Ascending & Descending Order

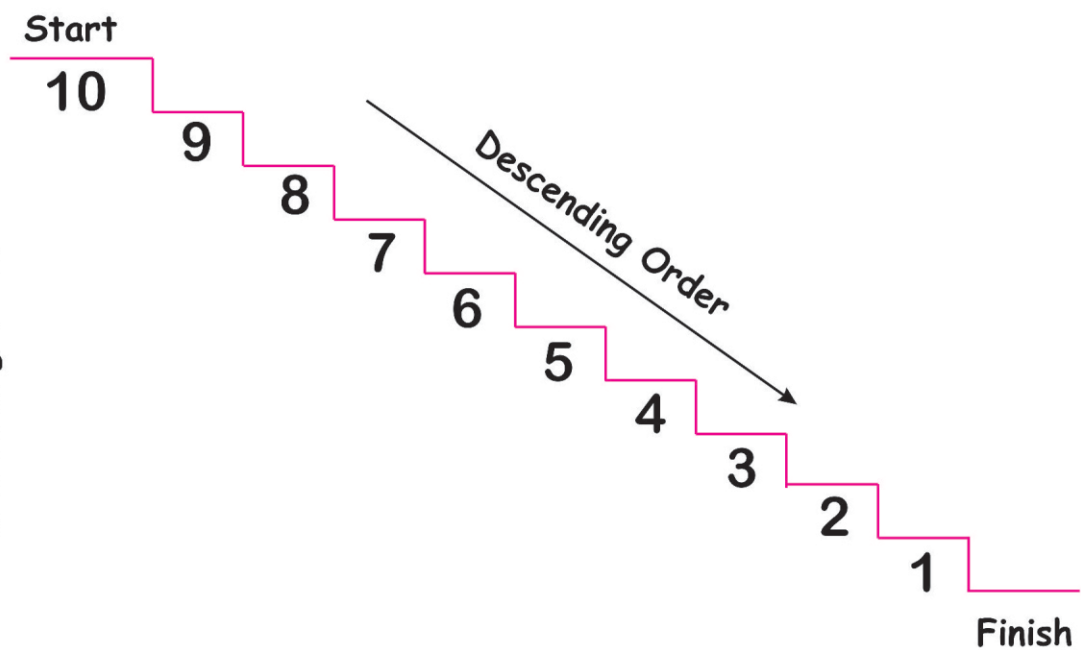
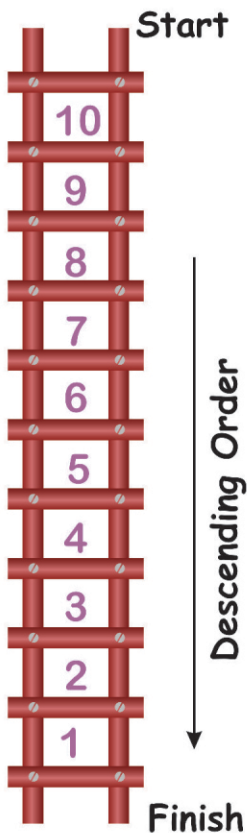


## Ascending Order :

The order having smallest number first and greatest number at last is called **ascending** order.



Descending Order : The order having greatest number first and smallest number at last is called **descending** order :



Date : .../.../...

Remark : .....

# ? Activity :

Write the numbers in Ascending Order.

Start

1

10

Finish

# ? Write the numbers in Descending Order.

20

Start

11

Finish

Date : .... / .... / ....

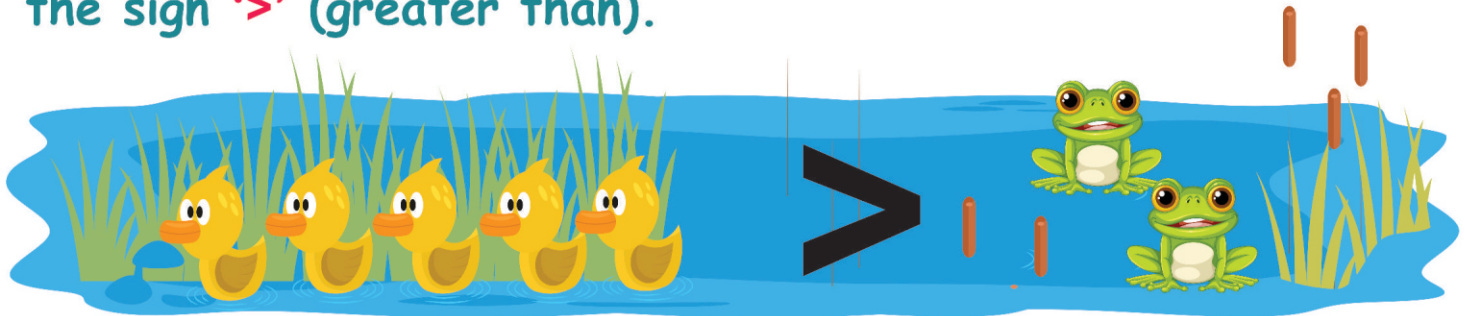
Remark : .....



# 14. Greater Than ( $>$ )

A larger group is greater than a smaller group.

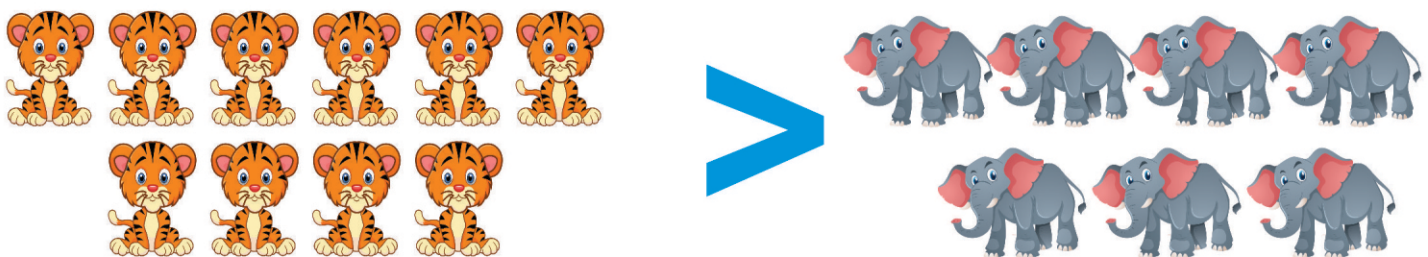
To show a greater number from the smaller number, we use the sign ' $>$ ' (greater than).



There are 5 Ducks and 2 Frogs.

1. 5 comes after 2.
2. So, 5 is greater than 2.
3. We represent greater than with ' $>$ '.
4. Hence,  $5 > 2$ .

Here are some other examples of **Greater Than**.



There are 10 Tigers and 7 Elephants.

1. 10 comes after 7.
2. So, 10 is greater than 7.
3. We represent greater than with ' $>$ '.
4. Hence,  $10 > 7$ .

# ? Activity :

Count, write and fill in the blanks using the greater than sign '>'.  
>

8 pears      [ ] [ ] [ ]      4 pears

3 eggplants      [ ] [ ] [ ]      1 eggplant

6 cars      [ ] [ ] [ ]      3 cars

7 bats      [ ] [ ] [ ]      4 bats

? Compare the numbers and write the greater than (>), sign in the given boxes :

14      6

[ ]

20      12

[ ]

35      28

[ ]

50      34

[ ]

67      46

[ ]

88      66

[ ]

90      83

[ ]

78      20

[ ]

95      86

[ ]

Date : .... / .... / ....

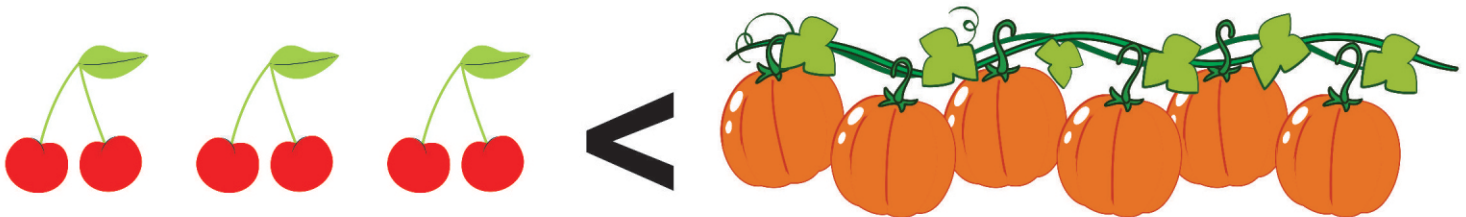
Remark : .....



# Less Than ( $<$ ) :

A smaller group is less than a bigger group.

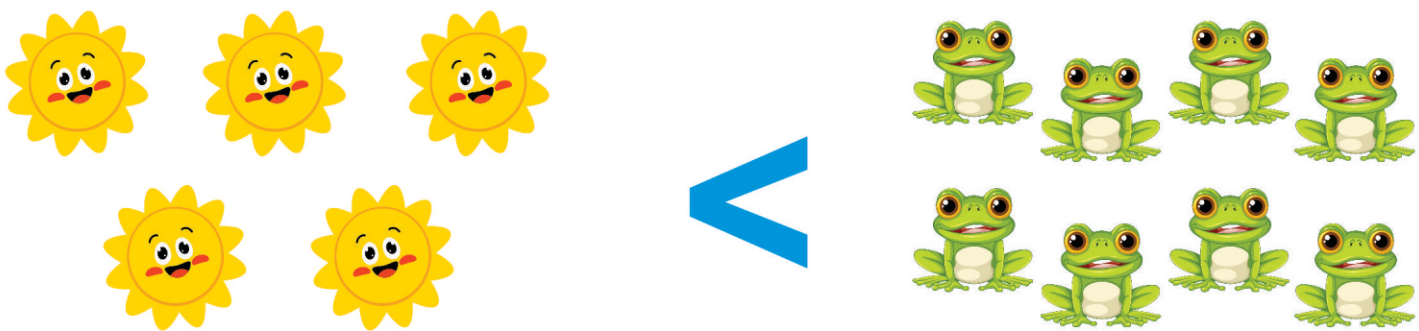
To show a smaller number from the greater number, we use the sign ' $<$ ' (Less than).



There are 3 Cherries and 6 Pumpkins.

1. 3 comes before 6.
2. So, 3 is less than 6.
3. We represent less than with ' $<$ '.
4. Hence,  $3 < 6$ .

Here are some other examples of **Less Than**.

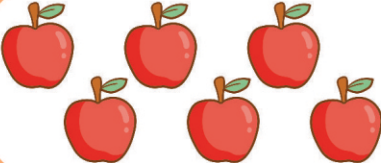
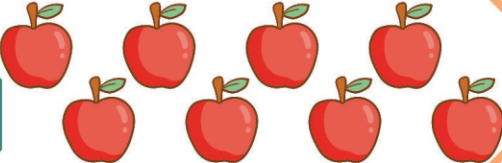








There are 5 Sun's and 8 Frogs.

1. 5 comes before 8.
2. So, 5 is less than 8.
3. We represent less than with ' $<$ '.
4. Hence,  $5 < 8$ .

# ? Activity :

Count, write and fill in the using the less than sign '<'.  
Count, write and fill in the using the less than sign '<'.

	<input type="text"/> <input type="text"/> <input type="text"/>	
	<input type="text"/> <input type="text"/> <input type="text"/>	
	<input type="text"/> <input type="text"/> <input type="text"/>	
	<input type="text"/> <input type="text"/> <input type="text"/>	

? Compare the numbers and write the less than (<), sign in the given boxes :

6	<input type="text"/>	14
---	----------------------	----

40	<input type="text"/>	56
----	----------------------	----

90	<input type="text"/>	97
----	----------------------	----

6	<input type="text"/>	10
---	----------------------	----

20	<input type="text"/>	33
----	----------------------	----

19	<input type="text"/>	28
----	----------------------	----

15	<input type="text"/>	30
----	----------------------	----

56	<input type="text"/>	69
----	----------------------	----

58	<input type="text"/>	79
----	----------------------	----

Date : .... / .... / ....

Remark : .....

# Equal To (=)

Groups that have the same number of things are Equal to each other..

The symbol equals to '=' shows that whatever is on the left of the sign is exactly the same value as whatever is on the right of the sign.



There are 5 Cats and 5 Dogs.

1. The number of Cats is equal to the number of Dogs.
2. We represent equal to with '='.
3. 5 is equal to 5
4. Hence,  $5 = 5$

Here are some other examples of Equals To.

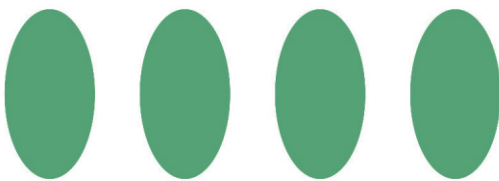
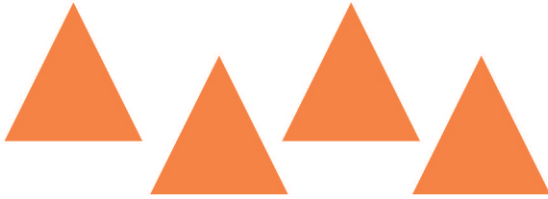
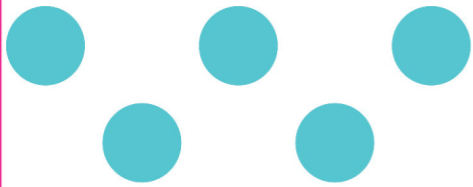


There are 4 Honeybees and 4 Flowers.

1. The number of Honeybees is equal to the number of Flowers.
2. We represent equal to with '='.
3. 4 is equal to 4
4. Hence,  $4 = 4$



**Activity :** Count and draw the equal number of shapes to match the given number of shapes.



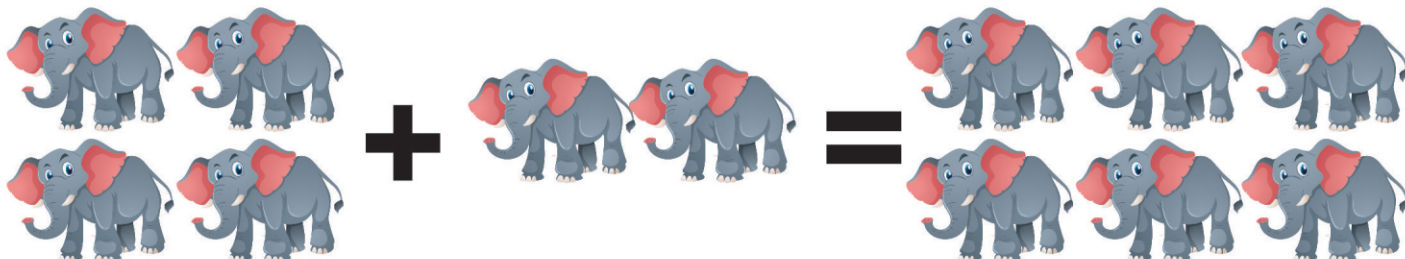
Date : .... / .... / ....

Remark : .....

# 15. Addition

Addition means 'to add more'. plus (+) sign is used for addition of numbers or objects.

Look and Learn :



There are **4** elephant.

More **2** elephant are came.

There are altogether **6** elephant.

Mathematically, we write it as : horizontally,  $4 + 2 = 6$  or vertically,

It is read as, **four** plus **two** is equal to **six**.

(+) is the sign of **Addition**.

(=) is the sign of **equal** to.

4
+ 2
-----
6



## Vertical Addition by Drawing Lines (Two numbers) :

Let us add 6 and 3 by drawing lines

**Step 1 :** Write the numbers in vertical column.

**Step 2 :** Draw 6 standing lines.



**Step 3 :** Draw 3 more standing lines.



OR

6
+ 3
-----
9

**Step 4 :** Now count the total number of lines.

There are 9 lines in all.

So, 6 and 3 together makes 9.

$$\left( \begin{array}{c} ||||| \\ + ||| \\ \hline ||||| \end{array} \right)$$

# ?Activity :

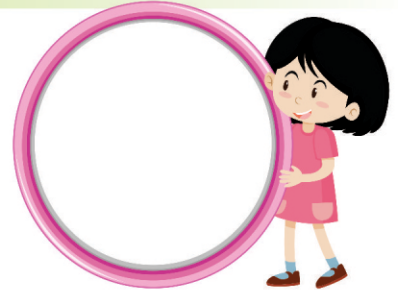
Count, write and ADD the number in the boxes.




+




=




+




=




+




=



Add the following numbers by drawing lines, one has been done for you.

$$\begin{array}{r} 3 \quad ||| \\ + 2 \quad || \\ \hline 5 \quad ||||| \end{array}$$

$$\begin{array}{r} 5 \quad \square \\ + 9 \quad \square \\ \hline \end{array}$$

$$\begin{array}{r} 7 \quad \square \\ + 7 \quad \square \\ \hline \end{array}$$

$$\begin{array}{r} 5 \quad \square \\ + 3 \quad \square \\ \hline \end{array}$$

$$\begin{array}{r} 6 \quad \square \\ + 4 \quad \square \\ \hline \end{array}$$

$$\begin{array}{r} 4 \quad \square \\ + 7 \quad \square \\ \hline \end{array}$$

$$\begin{array}{r} 6 \quad \square \\ + 1 \quad \square \\ \hline \end{array}$$

$$\begin{array}{r} 1 \quad \square \\ + 6 \quad \square \\ \hline \end{array}$$

$$\begin{array}{r} 8 \quad \square \\ + 7 \quad \square \\ \hline \end{array}$$

$$\begin{array}{r} 8 \quad \square \\ + 2 \quad \square \\ \hline \end{array}$$

$$\begin{array}{r} 4 \quad \square \\ + 5 \quad \square \\ \hline \end{array}$$

$$\begin{array}{r} 9 \quad \square \\ + 9 \quad \square \\ \hline \end{array}$$

Date : ..../..../....

Remark : .....

# 16. Addition with Zero

When you add (0) to any number, the number stays the same. (0) means nothing, so adding it doesn't change anything.

Look and Learn :

If you have eight rings on first stand and no rings on the second stand, the total number of rings when you combine both stands is :



So, the addition of the rings from both stand are 8 rings.



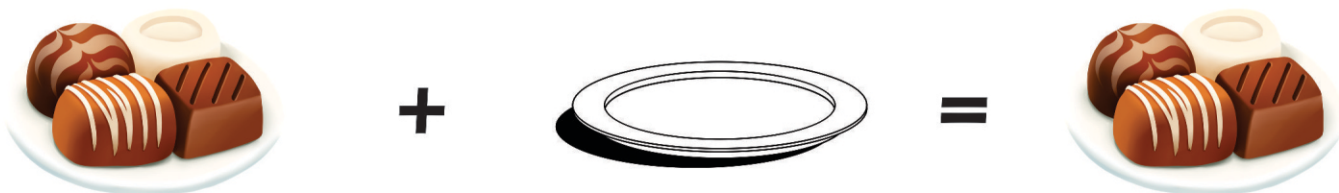
We keep 3 Carrots in a plate.

We keep nothing more in the plate.

So, 3 Carrots will remain in the plate.

We find that :  $3 + 0 = 3$

When zero is added to any number, the number remains the same.



We keep 4 Chocolates in a plate.

We keep nothing more in the plate.

So, 4 Chocolates will remain in the plate.

We find that :  $4 + 0 = 4$

# ? Activity :

Add the numbers with ZERO ( 0 ) :

$$\begin{array}{c} \text{8} \\ \text{+ 0} \\ \hline \end{array} = \begin{array}{c} \phantom{0} \\ \phantom{+ 0} \\ \hline \end{array}$$

$$\begin{array}{c} \text{5} \\ \text{+ 0} \\ \hline \end{array} = \begin{array}{c} \phantom{0} \\ \phantom{+ 0} \\ \hline \end{array}$$

$$\begin{array}{c} \text{3} \\ \text{+ 0} \\ \hline \end{array} = \begin{array}{c} \phantom{0} \\ \phantom{+ 0} \\ \hline \end{array}$$

$$\begin{array}{c} \text{9} \\ \text{+ 0} \\ \hline \end{array} = \begin{array}{c} \phantom{0} \\ \phantom{+ 0} \\ \hline \end{array}$$

? Add the following vertically.

$$\begin{array}{r} 4 \\ + 0 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ + 0 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ + 0 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ + 0 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ + 0 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ + 0 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 0 \\ + 0 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ + 0 \\ \hline \\ \hline \end{array}$$

Date : ....!....!....

Remark : .....

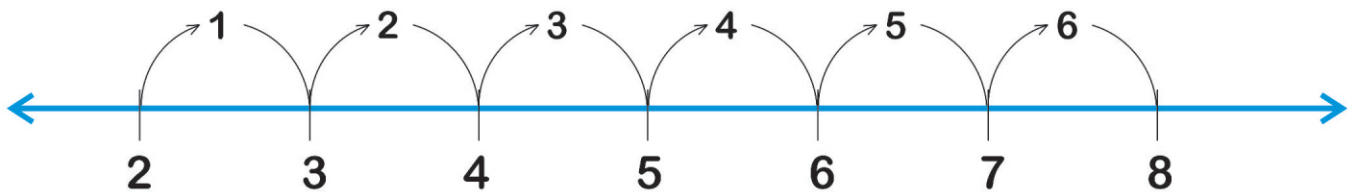
# 17. Addition On Number Line

When we add on a number line, we start from the first number and jump forward one by one.

Look and Learn :

We can use the number line for addition.

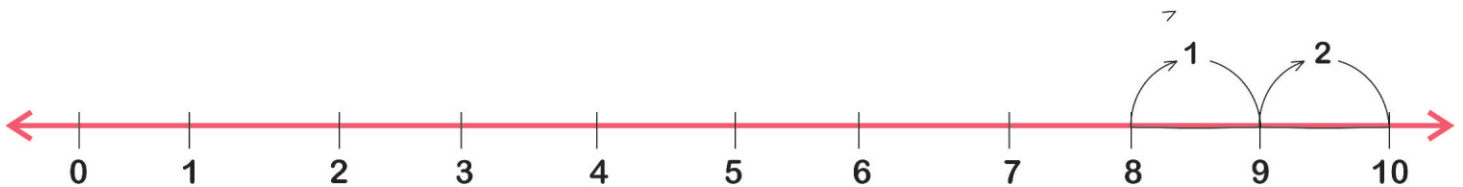
1. Draw a number line.
2. Let us add 2 and 6.
3. Start from 2 and jump forward one by one 6 times.
4. We arrive at 8.



So,  $2 + 6 = 8$

We can use the number line for addition.

1. Draw a number line.
2. Let us add 8 and 2.
3. Start from 8 and jump forward one by one 2 times.
4. We arrive at 10.



So,  $8 + 2 = 10$

Date : .../.../...

Remark : .....



## Activity : Now jump forward and add the following.

1.



$$3 + 4 = \square$$

2.



$$2 + 4 = \square$$

3.



$$5 + 5 = \square$$

4.



$$1 + 8 = \square$$

5.



$$4 + 4 = \square$$

Date : ..../..../....

Remark : .....

# 18. Tens and Ones

Let us first know about One and Tens in number.



That means 1 Ten + 0 One is equal to 10.

We write **T** for Ten and **O** for One.

**TENS** : A ten is a group of ten ones combined together.

Example : 20 is made up of 2 tens (10 + 10).

**ONES** : Ones are individual units that make up larger numbers when combined.

Example : The number 5 is made up of 5 ones.

10 or 1 tens + 2 or 2 ones = 12 or 1 tens + 2 ones



## Activity :

Write the tens and ones of the given numbers.

$$14 = \underline{\hspace{2cm}} \text{ tens} + \underline{\hspace{2cm}} \text{ Ones}$$

$$23 = \underline{\hspace{2cm}} \text{ tens} + \underline{\hspace{2cm}} \text{ Ones}$$

$$37 = \underline{\hspace{2cm}} \text{ tens} + \underline{\hspace{2cm}} \text{ Ones}$$

$$20 = \underline{\hspace{2cm}} \text{ tens} + \underline{\hspace{2cm}} \text{ Ones}$$

$$44 = \underline{\hspace{2cm}} \text{ tens} + \underline{\hspace{2cm}} \text{ Ones}$$

$$72 = \underline{\hspace{2cm}} \text{ tens} + \underline{\hspace{2cm}} \text{ Ones}$$

$$89 = \underline{\hspace{2cm}} \text{ tens} + \underline{\hspace{2cm}} \text{ Ones}$$

$$95 = \underline{\hspace{2cm}} \text{ tens} + \underline{\hspace{2cm}} \text{ Ones}$$

# 19. Addition Of 2 Digits Number

We have already learnt the addition of one-digit numbers. Now learn the addition of two-digit numbers.

**For example :** Add 14 and 23

**Step 1 :**

We write the numbers in columns under tens and ones.

14 and 23 both are two digit numbers.

In a two digit number, we put the right side digit on ones place and the left side digit on tens place.

T	O
1	4
+ 2	3
<hr/>	
3	7

**Step 2 :**

First, Add the ones.

$$4 \text{ ones} + 3 \text{ ones} = 7 \text{ ones}$$

We write 7 ones in ones column.

Then, Add the tens.

$$1 \text{ tens} + 2 \text{ tens} = 3 \text{ tens}$$

We write 3 tens in tens column.

So, we can say that the addition of 14 and 23 is 37.

T	O
1	4
+ 2	3
<hr/>	
	7

T	O
1	4
+ 2	3
<hr/>	
3	7



# Activity :

Add the following. One has been done for you.

$$\begin{array}{r} 32 \\ + 62 \\ \hline 94 \end{array}$$

$$\begin{array}{r} 18 \\ + 20 \\ \hline \end{array}$$

$$\begin{array}{r} 25 \\ + 31 \\ \hline \end{array}$$

$$\begin{array}{r} 62 \\ + 14 \\ \hline \end{array}$$

$$\begin{array}{r} 55 \\ + 31 \\ \hline \end{array}$$

$$\begin{array}{r} 22 \\ + 14 \\ \hline \end{array}$$

$$\begin{array}{r} 32 \\ + 12 \\ \hline \end{array}$$

$$\begin{array}{r} 32 \\ + 34 \\ \hline \end{array}$$

$$\begin{array}{r} 41 \\ + 10 \\ \hline \end{array}$$

$$\begin{array}{r} 75 \\ + 23 \\ \hline \end{array}$$

$$\begin{array}{r} 15 \\ + 11 \\ \hline \end{array}$$

$$\begin{array}{r} 28 \\ + 30 \\ \hline \end{array}$$

$$\begin{array}{r} 57 \\ + 11 \\ \hline \end{array}$$

$$\begin{array}{r} 22 \\ + 14 \\ \hline \end{array}$$

$$\begin{array}{r} 84 \\ + 12 \\ \hline \end{array}$$

$$\begin{array}{r} 33 \\ + 33 \\ \hline \end{array}$$

$$\begin{array}{r} 72 \\ + 10 \\ \hline \end{array}$$

$$\begin{array}{r} 25 \\ + 20 \\ \hline \end{array}$$

$$\begin{array}{r} 78 \\ + 11 \\ \hline \end{array}$$

$$\begin{array}{r} 14 \\ + 15 \\ \hline \end{array}$$

Date : .... / .... / ....

Remark : .....

# 20. Subtraction

The concept of subtraction is taking away some numbers from a collection or comparison between two collections of some things. We find the left over by subtraction. Subtraction means 'to take away'. Minus (−) sign is used for subtraction of number or objects.

## Subtraction by cutting things :

I have 6 Cup of Tea.

There are **6** Cup's of tea.

I have 2 Cup of Tea.

I drink **2** Cup's of tea.

Now I have **4** Cup's of tea left.

Mathematically , we write it as : Horizontally,  $3 - 1 = 2$  or vertically,

It is read as, **three** minus **one** is equal to **two**.

(-) is the sign of Subtraction.

$$\begin{array}{r} 3 \\ - 1 \\ \hline 2 \end{array}$$

(=) is the sign of **equal** to.

## Vertical Subtraction by Drawing Lines (Two numbers) :

Let us subtract 4 from 9 by drawing lines.

**Step 1 :** Write the numbers in vertical column.

**Step 2 :** Draw 9 lines.



**Step 3 :** Now cut 4 lines out of 9 lines.



OR

$$\begin{array}{r} 9 \\ - 4 \\ \hline 5 \end{array}$$

**Step 4 :** Now count the total number of lines .

There are 5 lines are remaining.

So, 4 subtract from 9 makes 5.

$$\left( \begin{array}{c} | | | | | | | | | \\ - | | | | \\ \hline | | | | | \end{array} \right)$$

# ? Activity :

Count, write and Subtract the number in the boxes.

12 rainbows - 6 rainbows =

9 butterflies - 4 butterflies =

9 coconuts - 3 coconuts =

? Subtract the following numbers by drawing lines, one has been done for you.

$\begin{array}{r} 3 \text{    } \\ - 2 \text{  } \\ \hline 1 \text{  } \end{array}$	$\begin{array}{r} 9 \\ - 5 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ - 2 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ - 3 \\ \hline \end{array}$
$\begin{array}{r} 8 \\ - 3 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ - 4 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ - 1 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ - 1 \\ \hline \end{array}$
$\begin{array}{r} 9 \\ - 5 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ - 2 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ - 3 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ - 9 \\ \hline \end{array}$

Date : .... / .... / ....

Remark : .....

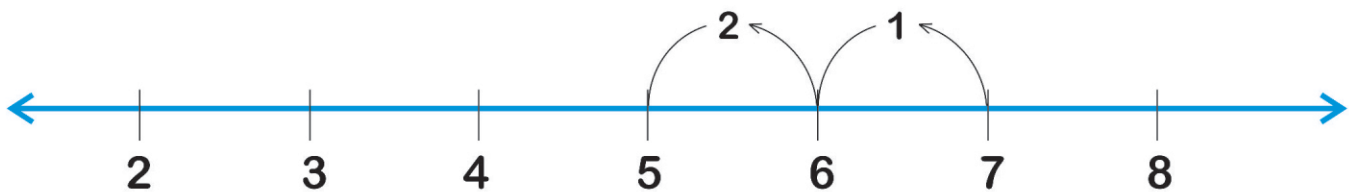
## 21. Subtract with Number Line

When we subtract on a number line, we start from the big number and jump backward one by one.

Look and Learn :

We can use the number line for Subtraction.

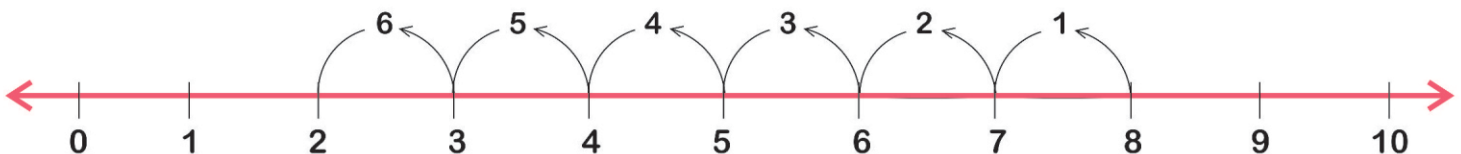
1. Draw a number line.
2. Let us subtract 7 and 2.
3. Start from 7 and jump backward one by one 2 times.
4. We arrive at 5.



So,  $7 - 2 = 5$

We can use the number line for subtraction.

1. Draw a number line.
2. Let us subtract 8 and 6.
3. Start from 8 and jump backward one by one 6 times.
4. We arrive at 2.



So,  $8 - 6 = 2$



## Activity : Now jump backward and subtract the following.

1.



$$7 - 5 =$$

2.



$$9 - 3 =$$

3.



$$5 - 2 =$$

4.



$$6 - 4 =$$

5.



$$8 - 4 =$$

Date : ..../..../....

Remark : .....

## 22. Subtraction with Zero

When we subtract zero (0) from any number, we get the same number back.

Look and Learn :

If you have nine dotes in the box and no or zero dotes removed in the second box, the total number of dotes remains the same in the box :



So, the subtraction of the dotes in the box gives the same number.

When a number is subtracted by the same number itself, we get zero.



There are 4 stars in the sky.

Now there is ZERO or NO stars removed in the sky.

So, there will be 4 stars left in the sky.

We find that :  $4 - 0 = 4$

# ? Activity :

Subtract three numbers with Zero ( 0 ) :

$$\begin{array}{c} \text{9} \\ \text{---} \\ \text{---} \end{array} - \begin{array}{c} \text{0} \\ \text{---} \\ \text{---} \end{array} = \begin{array}{c} \text{ } \\ \text{---} \\ \text{---} \end{array}$$

$$\begin{array}{c} \text{6} \\ \text{---} \\ \text{---} \end{array} - \begin{array}{c} \text{0} \\ \text{---} \\ \text{---} \end{array} = \begin{array}{c} \text{ } \\ \text{---} \\ \text{---} \end{array}$$

$$\begin{array}{c} \text{5} \\ \text{---} \\ \text{---} \end{array} - \begin{array}{c} \text{0} \\ \text{---} \\ \text{---} \end{array} = \begin{array}{c} \text{ } \\ \text{---} \\ \text{---} \end{array}$$

$$\begin{array}{c} \text{2} \\ \text{---} \\ \text{---} \end{array} - \begin{array}{c} \text{0} \\ \text{---} \\ \text{---} \end{array} = \begin{array}{c} \text{ } \\ \text{---} \\ \text{---} \end{array}$$

? Add the following vertically.

$$\begin{array}{r} 3 \\ - 0 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ - 0 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ - 0 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ - 0 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ - 0 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ - 0 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 0 \\ - 0 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ - 0 \\ \hline \\ \hline \end{array}$$

Date : .... / .... / ....

Remark : .....

## 23. Subtraction of 2 Digits Number

We have already learnt the subtraction of one-digit numbers. Now learn the subtraction of two-digit numbers.

For example : Subtract 12 from 48.

Step 1 :

We write the numbers in columns under tens and ones.

T	O
4	8
-	1 2
<hr/>	
3	6

Here we write bigger number(48) above and smaller number(12) below.

12 and 48 both are two digit numbers. In a two digit number, we put the right side digit on ones place and the left side digit on tens place.

Step 2 :

First, subtract the ones.

$$8 \text{ ones} - 2 \text{ ones} = 6 \text{ ones}$$

We write 6 ones in ones column.

T	O
4	8
-	1 2
<hr/>	
	6

Then, subtract the tens .

$$4 \text{ tens} - 1 \text{ tens} = 3 \text{ tens}$$

We write 3 tens in tens column.

T	O
4	8
-	1 2
<hr/>	
3	6

So, we can say that the subtraction of 12 from 48 is 36.



# Activity :

Solve this :

$$\begin{array}{r} 57 \\ - 42 \\ \hline \end{array}$$

$$\begin{array}{r} 68 \\ - 35 \\ \hline \end{array}$$

$$\begin{array}{r} 94 \\ - 61 \\ \hline \end{array}$$

$$\begin{array}{r} 36 \\ - 16 \\ \hline \end{array}$$

$$\begin{array}{r} 69 \\ - 25 \\ \hline \end{array}$$

$$\begin{array}{r} 78 \\ - 20 \\ \hline \end{array}$$

$$\begin{array}{r} 88 \\ - 63 \\ \hline \end{array}$$

$$\begin{array}{r} 90 \\ - 10 \\ \hline \end{array}$$

$$\begin{array}{r} 89 \\ - 29 \\ \hline \end{array}$$

$$\begin{array}{r} 72 \\ - 40 \\ \hline \end{array}$$

$$\begin{array}{r} 91 \\ - 70 \\ \hline \end{array}$$

$$\begin{array}{r} 24 \\ - 13 \\ \hline \end{array}$$

$$\begin{array}{r} 95 \\ - 42 \\ \hline \end{array}$$

$$\begin{array}{r} 88 \\ - 35 \\ \hline \end{array}$$

$$\begin{array}{r} 54 \\ - 21 \\ \hline \end{array}$$

$$\begin{array}{r} 66 \\ - 10 \\ \hline \end{array}$$

$$\begin{array}{r} 69 \\ - 30 \\ \hline \end{array}$$

$$\begin{array}{r} 40 \\ - 20 \\ \hline \end{array}$$

$$\begin{array}{r} 28 \\ - 14 \\ \hline \end{array}$$

$$\begin{array}{r} 50 \\ - 40 \\ \hline \end{array}$$

Date : .../.../....

Remark : .....

## 24. Multiplication Tables

A multiplication table is a which shows the product of two numbers.

### Multiplication Table of 2

$2 \times 1 = 2$  Two ones are two

$2 \times 2 = 4$  Two twos are four

$2 \times 3 = 6$  Two threes are six

$2 \times 4 = 8$  Two fours are eight

$2 \times 5 = 10$  Two fives are ten

$2 \times 6 = 12$  Two sixes are twelve

$2 \times 7 = 14$  Two sevens are fourteen

$2 \times 8 = 16$  Two eights are sixteen

$2 \times 9 = 18$  Two nines are eighteen

$2 \times 10 = 20$  Two tens are twenty



## Multiplication Table of 3

$3 \times 1 = 3$  Three ones are three

$3 \times 2 = 6$  Three twos are six

$3 \times 3 = 9$  Three threes are nine

$3 \times 4 = 12$  Three fours are twelve

$3 \times 5 = 15$  Three fives are fifteen

$3 \times 6 = 18$  Three sixes are eighteen

$3 \times 7 = 21$  Three sevens are twenty one

$3 \times 8 = 24$  Three eights are twenty four

$3 \times 9 = 27$  Three nines are twenty seven

$3 \times 10 = 30$  Three tens are thirty



## Multiplication Table of 4

$4 \times 1 = 4$  Four ones are four

$4 \times 2 = 8$  Four twos are eight

$4 \times 3 = 12$  Four threes are twelve

$4 \times 4 = 16$  Four fours are sixteen

$4 \times 5 = 20$  Four fives are twenty

$4 \times 6 = 24$  Four sixes are twenty four

$4 \times 7 = 28$  Four sevens are twenty eight

$4 \times 8 = 32$  Four eights are thirty two

$4 \times 9 = 36$  Four nines are thirty six

$4 \times 10 = 40$  Four tens are forty



## Multiplication Table of 5

$5 \times 1 = 5$  Five ones are five

$5 \times 2 = 10$  Five twos are ten

$5 \times 3 = 15$  Five threes are fifteen

$5 \times 4 = 20$  Five fours are twenty

$5 \times 5 = 25$  Five fives are twenty five

$5 \times 6 = 30$  Five sixes are thirty

$5 \times 7 = 35$  Fives sevens are thirty five

$5 \times 8 = 40$  Five eights are forty

$5 \times 9 = 45$  Five nines are forty five

$5 \times 10 = 50$  Five tens are fifty



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