

## Objectives

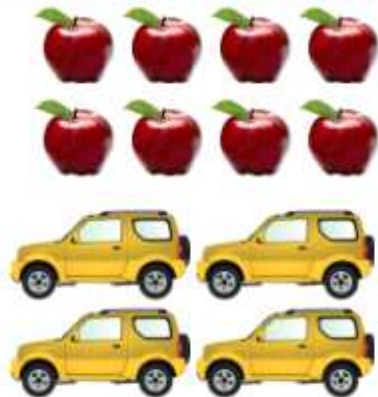
- To enable the students to understand the counting of numbers 10 to 20.
- To enable the students to write numbers in serial order. Understanding of before, after and in between the numbers.
- Counting of numbers upto 20.
- To count the objects with the help of these numbers.
- To collect the objects in groups of 10 and consider it a group.
- To develop the vocabulary of tens and ones.
- To show the group of tens and ones by picture.
- To count the number of tens and ones in the number.
- To write the numbers 10 to 20 in words.
- To train them to add one digit numbers orally.
- To train them to solve the word problems related to addition-

**Do you remember?**

**a. Write counting from 1 to 9 :**



**b. Count and write :**





**c. Encircle the smaller number :**      **d. Encircle the greater number :**

4	7
1	2
3	5

8	7
3	5
9	4

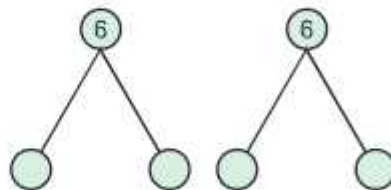
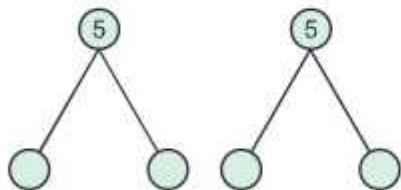
**e. Fill in the blanks :**

_____	7
_____	5
_____	9

6	_____
8	_____
7	_____

4	_____	6
3	_____	5
1	_____	3

**f. Fill in the blanks :**



**g. Solve with the help of a number strip :**

1	2	3	4	5	6	7	8	9
---	---	---	---	---	---	---	---	---

$3 + 2 = \square$

$5 - 2 = \square$

$5 + 0 = \square$

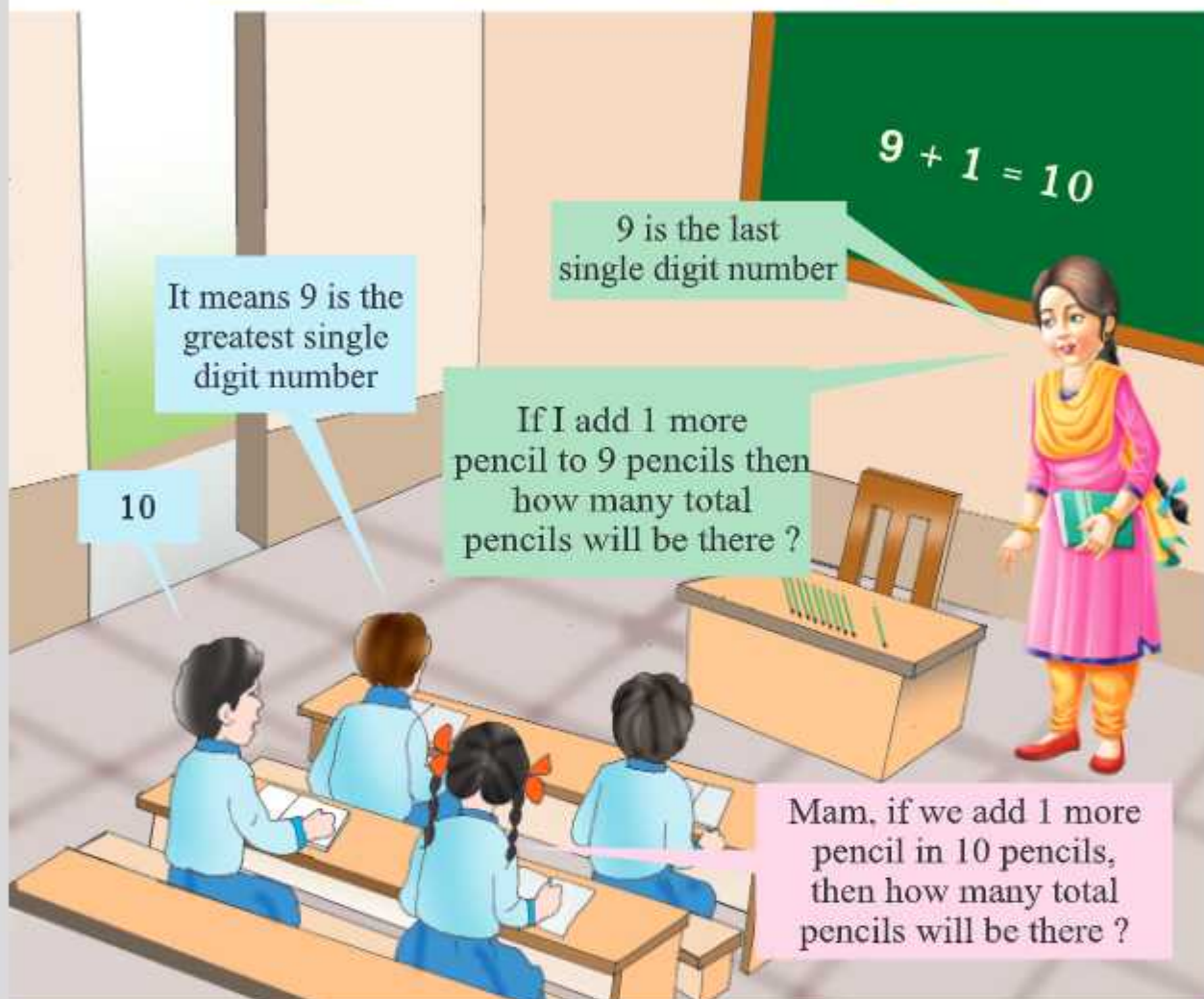
$9 - 6 = \square$

**h. Write Dodging counting :**



Let's learn

## First step towards 10 to 20



Let us try to know about it with pencils, currency notes, abacus and maan card.





Writing of numbers 10 to 20 in serial order and count them with the help of objects :

Dots	Objects	Maan Cards	
		10	
		10	1
		10	2
		10	3
		10	4
		10	5
		10	6
		10	7
		10	8
		10	9



**Note**

The teacher will make understand his students the concept of 10 to 20 with objects, dots and maan card.



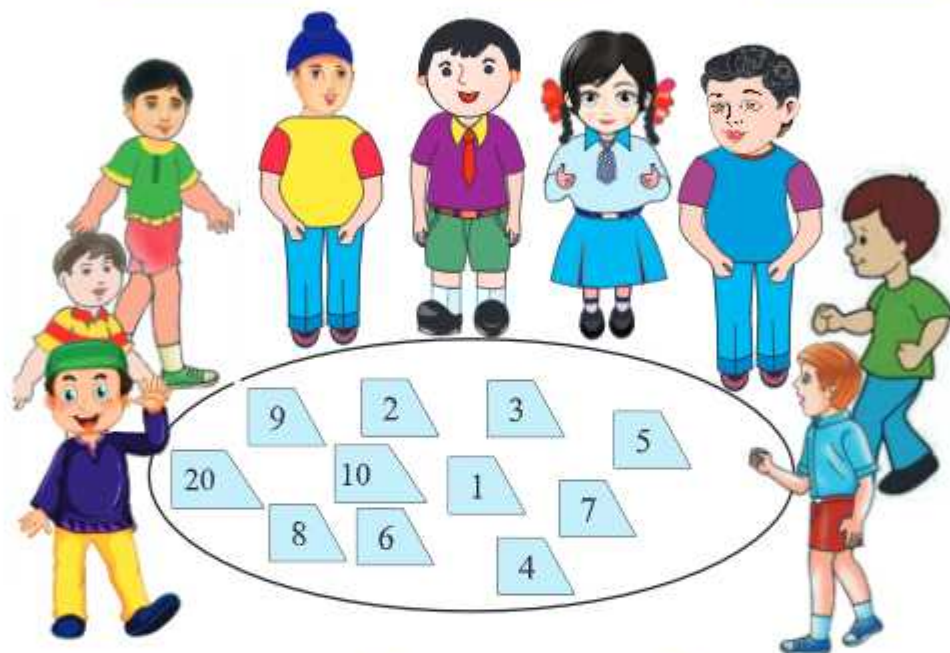


Make a jump



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

Make a jump and bring the card



Stand up in serial order

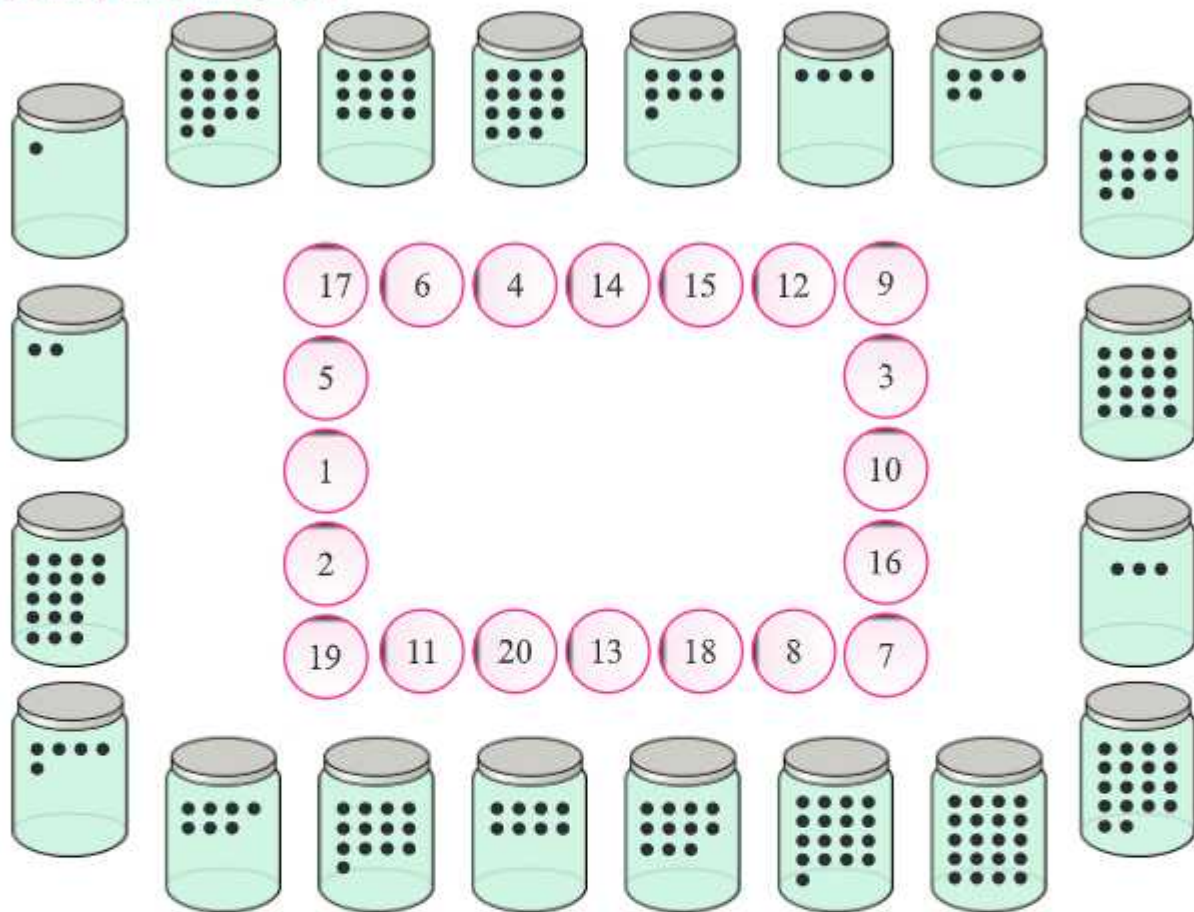


Note

- The teacher will count upto 20 with the help of solid objects, and then write 1 to 20 on earth and ask the children to make a jump on the given number.
- The teacher will ask the children to stand in circle and place maan cards at the center and then ask the children to make a said number with the help of these cards.



**Count and match :**



### Practical activity

**Objective :** Understanding count the given objects

**Material :** Lady finger, colours.

**Procedure :**

1. Cut the lady finger in 2 parts and give to children.
2. Dip the cut part of lady finger in colour and make impression in the given space.
3. Make the flowers according to the number given in the boxes with the help of cut part of lady finger.

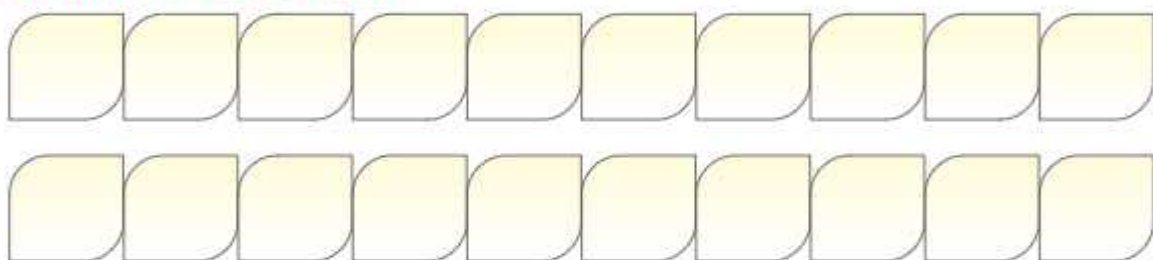




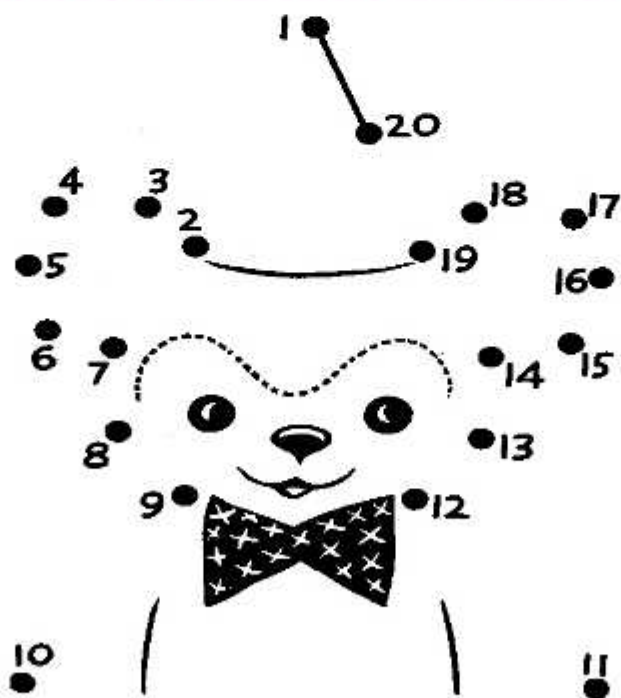
1. Write numbers 10 to 20.



2. Write numbers 1 to 20.



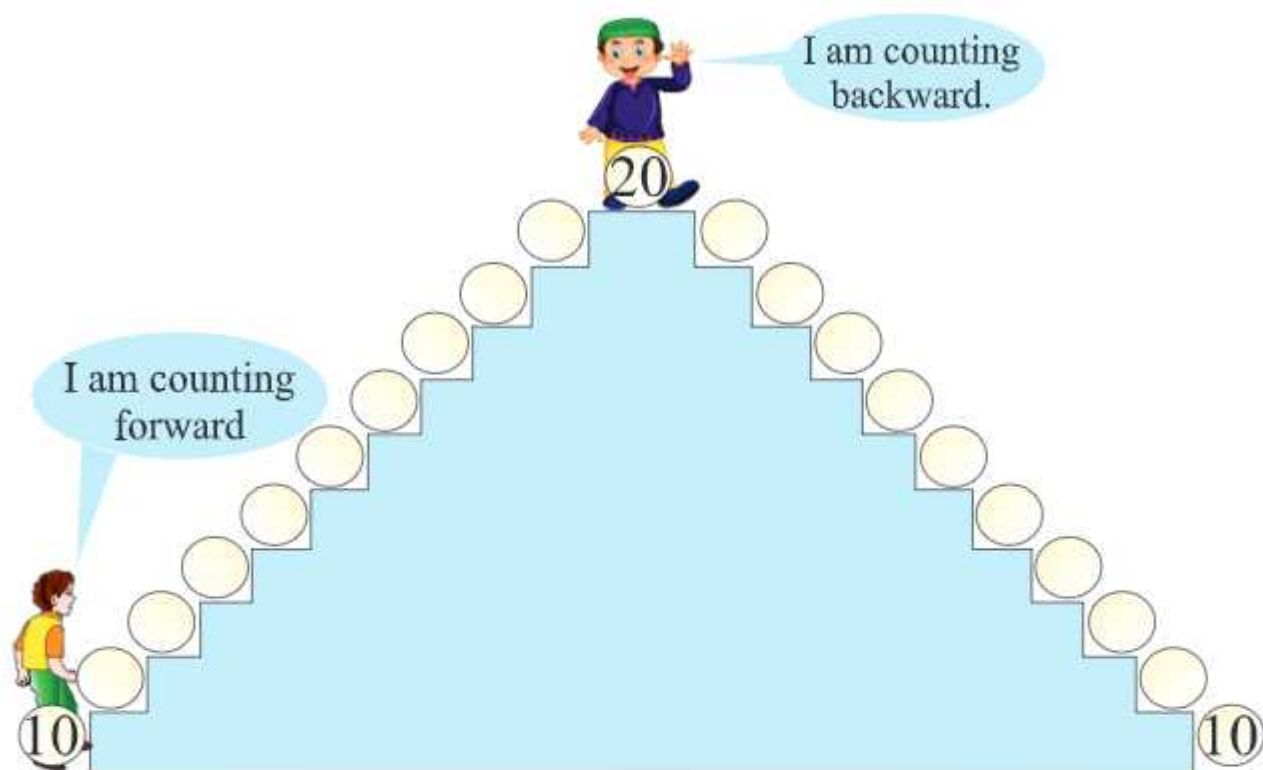
3. Join the numbers 1 to 20 in serial order and colour it.



The teacher will ask the students to write counting as shown in boxes.



4. Write forward and backward counting of 10 to 20.



5. Complete the counting and help these animals to reach their homes



14

15

16



10

11



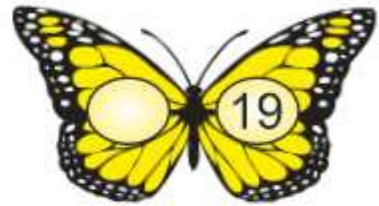
17

18

19



6. Write the number that comes just before :



7. Write the number that comes just after :

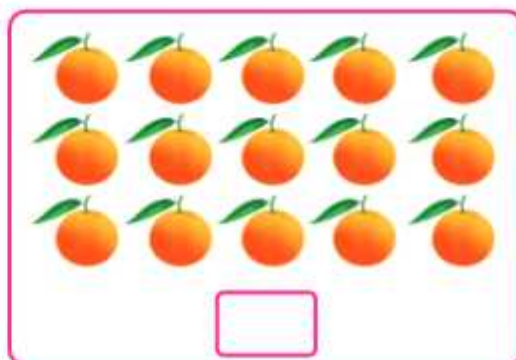
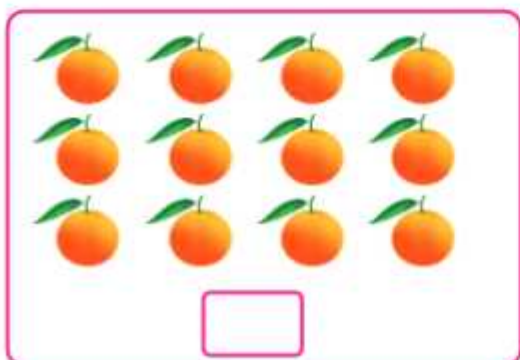
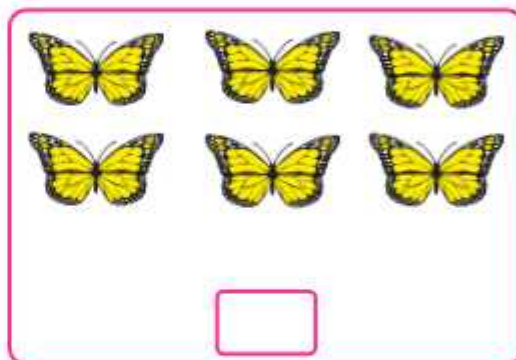
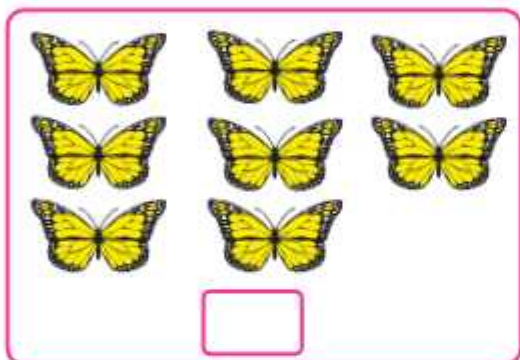
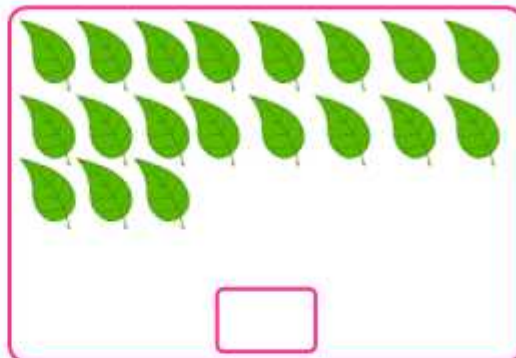
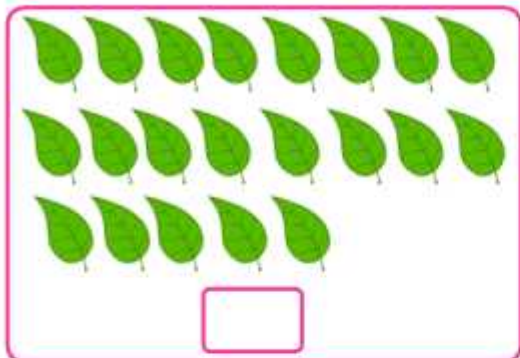


8. Write the number in between :



## Comparison

9. Put a tick (✓) on more objects and cross (×) on less objects :





## Comparison with the help of number strip



The number nearer to 0 is smaller than the other number.

The number far from 0 is greater than the other number.



10. Encircle the smaller number :

13	17
----	----



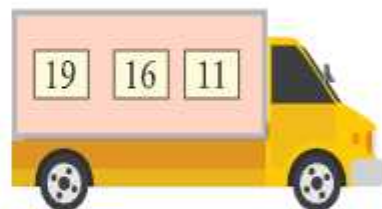
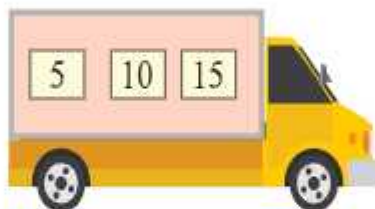
16	8
----	---



14	12
----	----



11. Encircle the smallest number :



12. Encircle the greater number :

7	17
---	----



19	15
----	----



13	10
----	----



13. Encircle the greatest number :



## To move towards smaller from greater number

I am the youngest.  
I am at first position.



Harpreet



Anshika



Vishal



Aslam

I am the  
eldest.  
I am at last  
position.



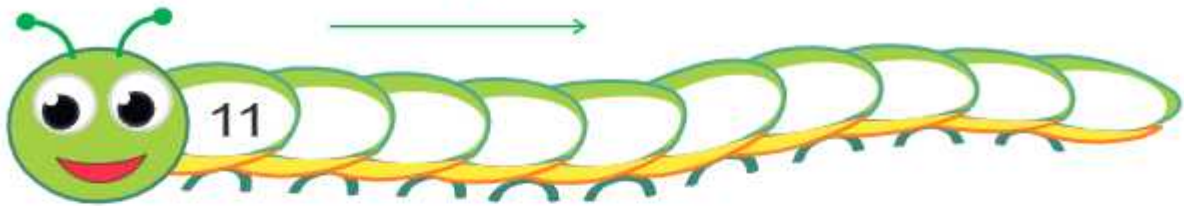
Look, Harpreet is of 6 years old. He is the youngest, so stood at 1st position. Look, Aslam is of 10 years old. He is eldest, so he stood at last position.

Now you write these given numbers from smaller to greater.



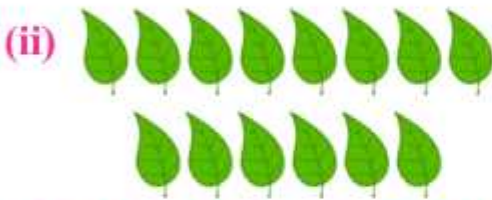
# Worksheet

1. Write forward counting 11 to 20 :



2. Count and Write :






3. Write just before, just after and in between numbers :

(i)

___	10
___	12
___	18

(ii)

11	___
15	___
19	___

(iii)

10	___	12
13	___	15
18	___	20

4. Encircle the greatest number :

11	12	15
13	10	8

18	14	17
11	9	8

10	13	16
14	17	9

5. Encircle the smallest number :

15	12	10
17	14	16

11	14	15
18	11	19

9	8	16
7	15	5



6. Write backward counting :



7. (i) Add matchsticks in the first group to make them more than those in the second group.



(ii) Add matchsticks in the first group to equal them to those in the second group.



(iii) Add matchsticks in the first group so that their number is 1 less than those in the second group.



8. Write from smaller to greater number :

(i) 12 9 13 17 →

(ii) 18 6 15 9 →

9. Write dodging counting :



## Activity

### Jorh-Torh of 10 with fingers

How many fingers are there of my both hands.

Now how many fingers of my both hands are raised and folded.



6 raised

4 folded



Let's do

Count and write the fingers as given below by folding then write by counting raised and folded fingers.



Raised  Folded



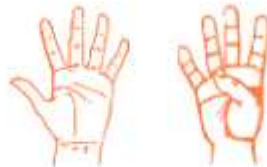
Raised  Folded



Raised  Folded



Raised  Folded



Raised  Folded



Raised  Folded



Note

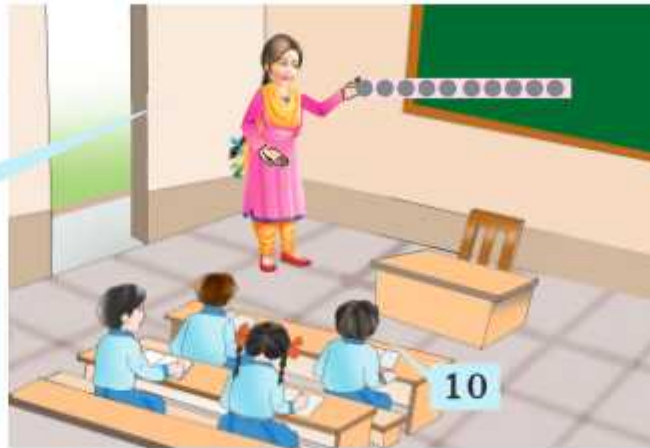
The teacher will raise the fingers of one hand according to different number and ask from students about raised and folded fingers. The teacher will practise it many times and again with sliding card. By doing so make them to do jorh-torh of 10 and upto ten.

## Activity

### Understanding of 10 with sliding card

How many dots can you see ?

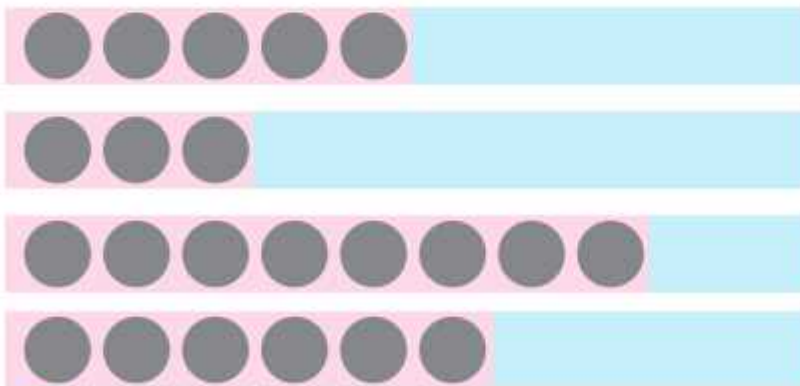
Now, how many dots can you see on card ?



How many dots are there below the card ?

7

3



Below the card	Outside the card
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>



The teacher will hide the dots on slider card of 10 dots given at the end of the book and ask the students to count these dots. In this way they will complete the activity.



## Practical activity

Jorh-Torh of 10 with solid objects :

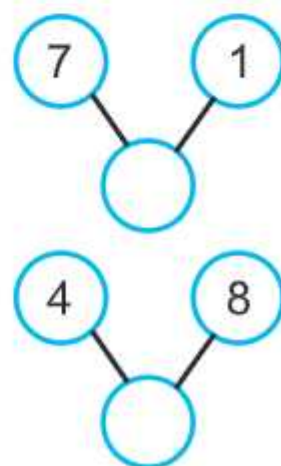
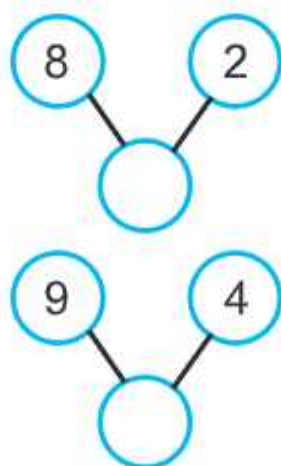
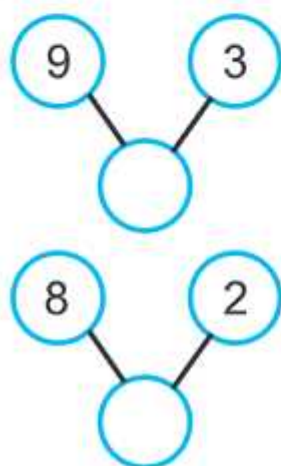
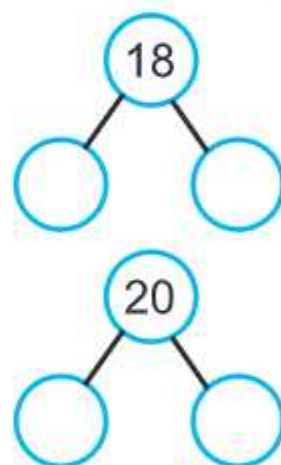
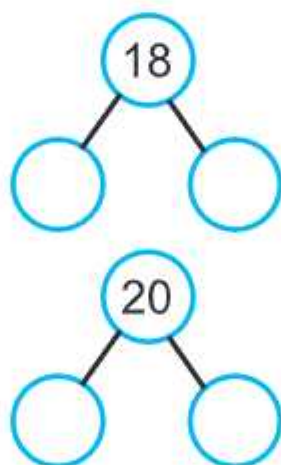
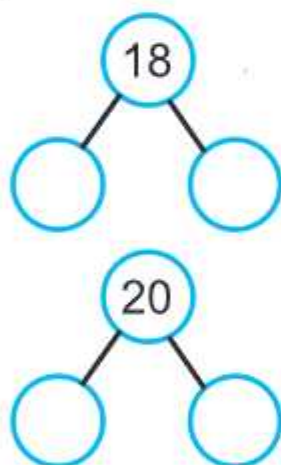
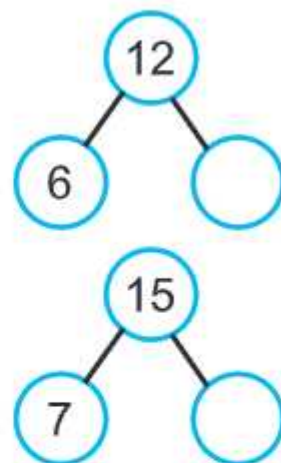
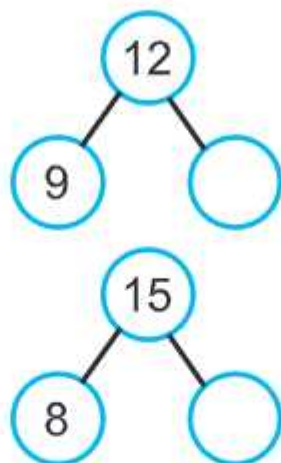
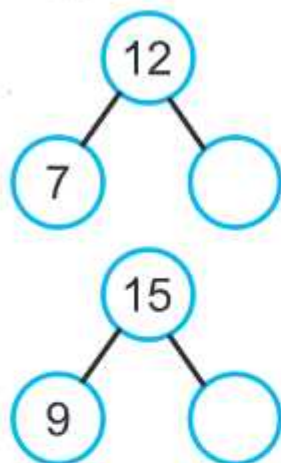


**Note**

The teacher will divide 10 solid objects in both of their hands and will ask the students to do the same and write it on the blackboard.



## Jorh-Torh of numbers



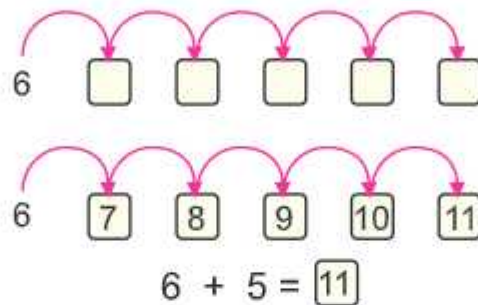
## Let's learn

## Addition on number strip

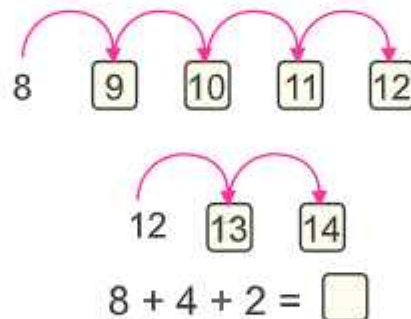
### Addition on number strip by moving forward



Rohit has 6 pencils. His father gave him 5 more pencils. How many total pencils he has now ?



Deepika's 8 books are on the table, 4 books are in her school bag and 2 books are lying on the chair. How many total books Deepika has ?



1. Parneet has 9 toffees and Tarleen has 6 toffees. How many toffees both of them have ?



2. Supreet has 7 pencils. His mother gave him 5 more pencils. How many total pencils he has now ?

3.  $6 + 6 =$

4.  $6 + 3 + 2 =$

### In our daily life



Add the numbers and tell who lives in which house ? Also colour the houses.



Peter



Tanisha



Anmol

\_\_\_\_\_ has house number 12, fill it with blue colour.

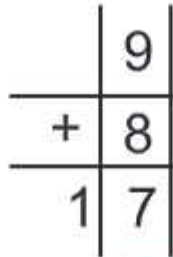
\_\_\_\_\_ has house number 15, fill it with red colour.

\_\_\_\_\_ has house number 17, fill it with green colour.

Add with the help of number strip

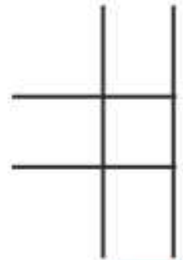
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

$9 + 8 =$



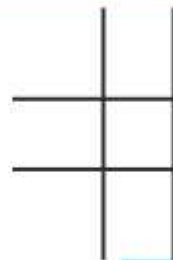
$9 + 8 = 17$

$7 + 8 =$



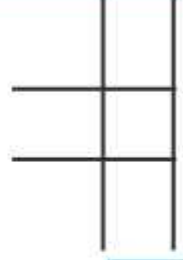
$7 + 8 =$

$6 + 4 =$



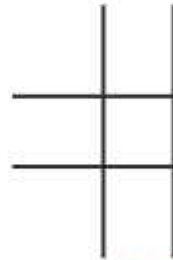
$6 + 4 =$

$8 + 8 =$



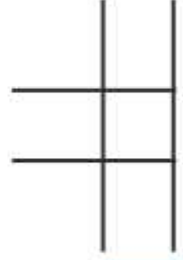
$8 + 8 =$

$7 + 6 =$



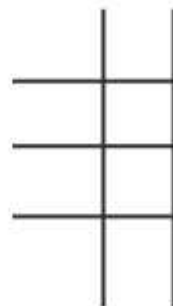
$7 + 6 =$

$9 + 4 =$



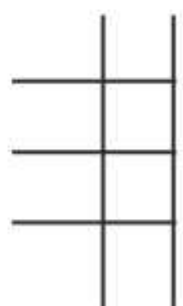
$9 + 4 =$

$7 + 6 + 5 =$



$7 + 6 + 5 =$

$4 + 3 + 6 =$



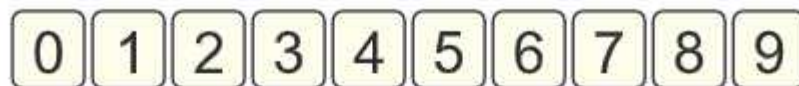
$4 + 3 + 6 =$



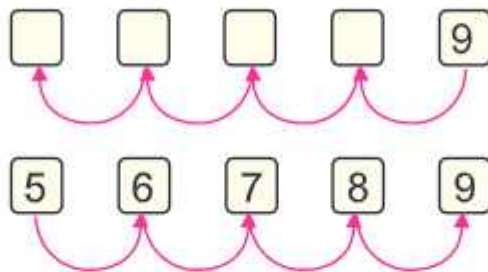
## Let's learn

## Subtract by moving backward

Subtract with the help of number strip by moving backward.

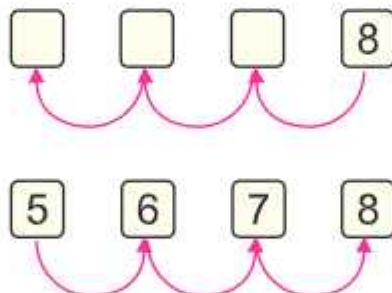


Vishal had 9 pencils. He gave 4 pencils to Aslam. How many pencils are left with Vishal ?



$$9 - 4 = 5$$

Manveet had 8 balloons. He left 3 balloons in air. How many balloons are left with him ?



$$8 - 3 = 5$$



1. Priyanka had 7 flowers and she gave 3 flowers to Shalini. How many flowers are left with Priyanka ?



2. Supreet had 7 balloons. He left 3 balloons in air. How many balloons are left with him ?

3. Write 3 different ways to get the answer equal to 6.

$$\square - \square = 6$$

$$\square - \square = 6$$

$$\square - \square = 6$$

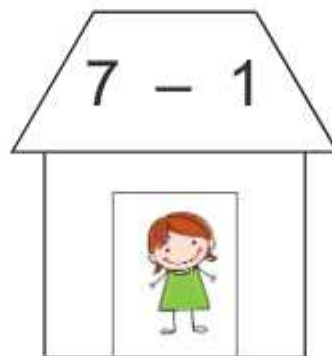
### In our daily life



Subtract the numbers and tell who lives in which house ?  
Also colour the houses.



Peter



Tanisha



Anmol

\_\_\_\_\_ has house number 5, fill it with blue colour.

\_\_\_\_\_ has house number 6, fill it with red colour.

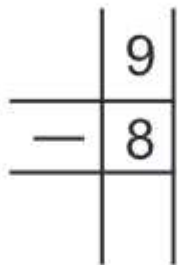
\_\_\_\_\_ has house number 7, fill it with green colour.



### Subtract with the help of number strip

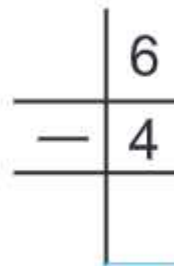


1.  $9 - 8 =$



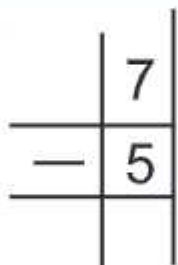
$9 - 8 =$

2.  $6 - 4 =$



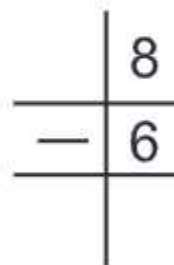
$6 - 4 =$

3.  $7 - 5 =$



$7 - 5 =$

4.  $8 - 6 =$



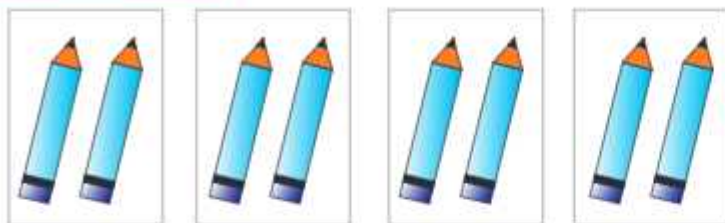
$8 - 6 =$

5. Harjeet had 9 toffees. He gave 4 toffees to Ashok. How many toffees he is left with now ?

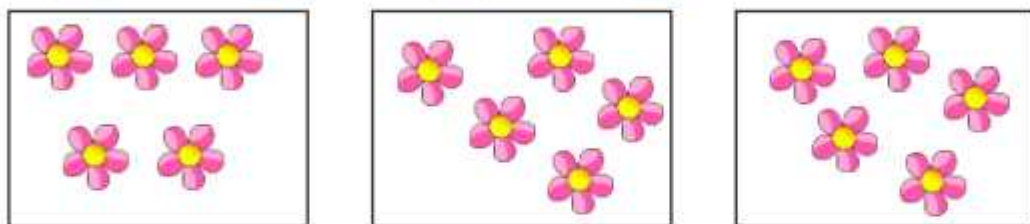
6. We have to put 20 beads in a necklace. We put 16 beads in that necklace. How many beads now we have to put so that they become 20 ?

# Repeated addition

Let's learn



$$2 + 2 + 2 + 2 = 8$$



$$5 + 5 + 5 = 15$$

Let's do

1.



$$\square + \square + \square = \square$$

2.



$$\square + \square + \square = \square$$

3.

$$4 + 4 + 4 + 4 =$$

4.

$$7 + 7 =$$

5.


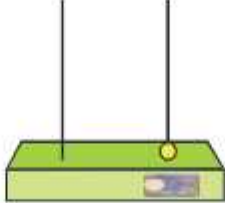

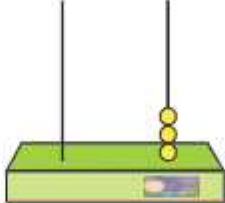

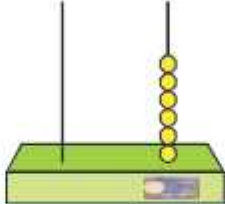

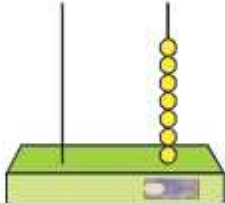

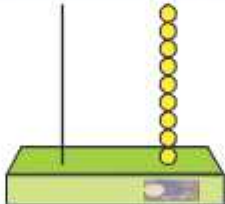
$$2 + 2 + 2 + 2 + 2 + 2 =$$



# Let's learn

Let's count 1 to 9 with currency notes, abacus and maan card.



		1
		3
		6
		8
		9

When we add one more note in 9 notes then what will it make ?

Now we will take one note of ₹10 in the place of 10 notes of ₹1 and will write in ones and tens.

10

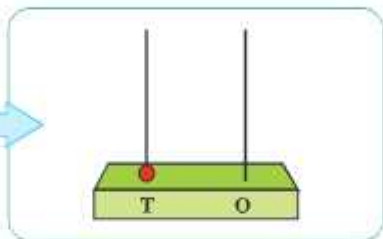
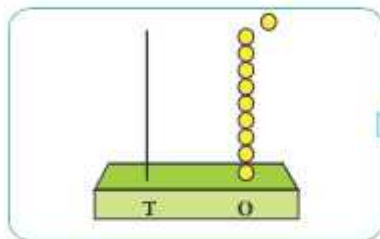
1	2	3	4	5	6	7	8	9
One	Two	Three	Four	Five	Six	Seven	Eight	Nine

# Let's learn

Club the objects in the groups of 10



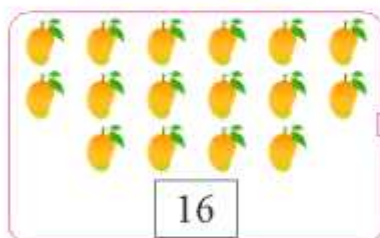
Tens	Ones
1	0



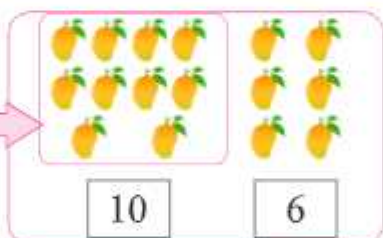
Tens	Ones
1	0

$$10 \text{ Ones} = 1 \text{ Tens}$$

To make groups of ones, tens



16

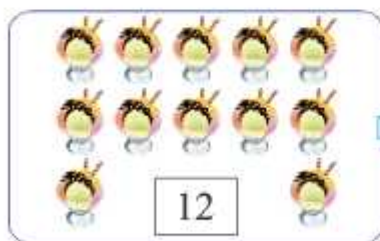


10

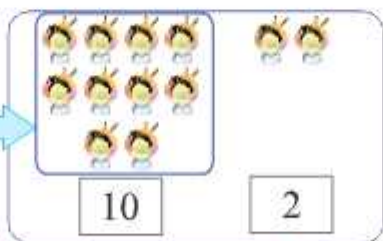
6

Tens	Ones
1	0

$$10 \text{ and } 6 = 16$$



12



10

2

Tens	Ones
1	2

$$10 \text{ and } 2 = 12$$



## Note

We can put only 9 beads in the rod of abacus. Thus, the teachers will tell the students about putting one bead in tens rod in place of putting 10 beads in ones rod.

# Let's learn

Let's count 10 to 19 with currency notes, abacus and maan card.



		<div>10</div> <div>1</div> <div>↓</div> <div>11</div>
		<div>10</div> <div>3</div> <div>↓</div> <div>13</div>
		<div>10</div> <div>6</div> <div>↓</div> <div>16</div>
		<div>10</div> <div>7</div> <div>↓</div> <div>17</div>
		<div>10</div> <div>8</div> <div>↓</div> <div>18</div>
		<div>10</div> <div>9</div> <div>↓</div> <div>19</div>

10	11	12	13	14	15	16	17	18	19
Ten	Eleven	Twelve	Thirteen	Fourteen	Fifteen	Sixteen	Seventeen	Eighteen	Nineteen



## Let's learn

### Making groups of 10 and add

$$5 + 8 =$$



$$10 + 3 = 13$$

$$6 + 8 =$$



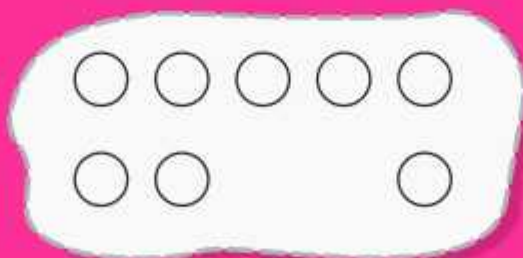
$$10 + 4 = 14$$

## Let's do

1.  $8 + 8 = \square$

2.  $4 + 9 = \square$

3. Draw more circle to make them ten in number in the picture given below.



4. Encircle to form a group of 10 matchsticks.



## Note

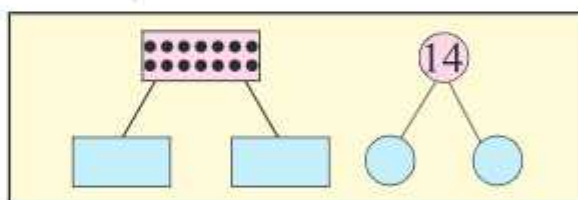
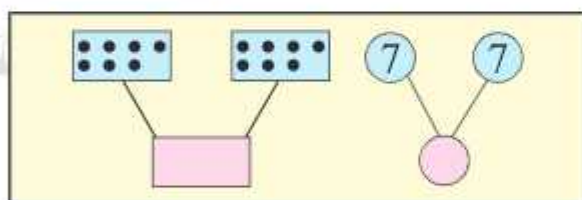
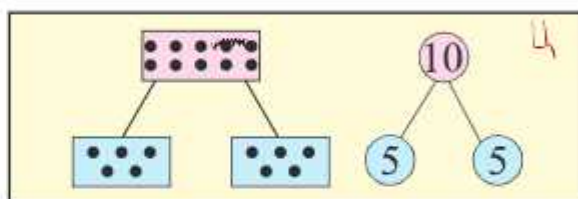
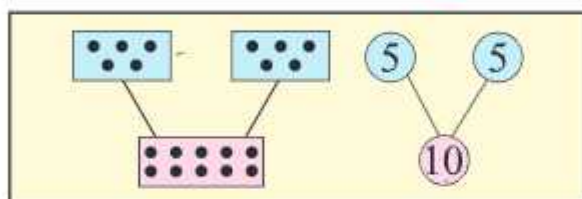
To understand the concept of addition by changing ones into tens in the above questions.

## Let's Learn

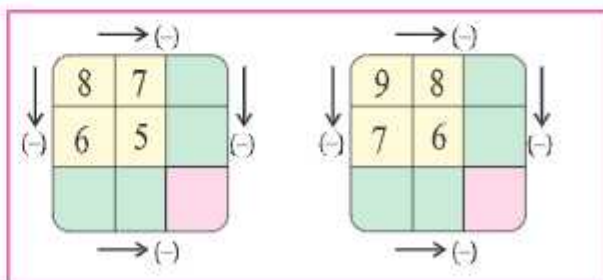
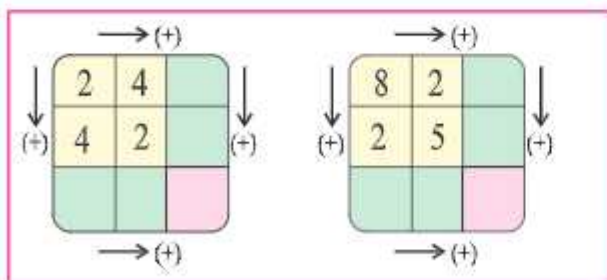


As many eaten by Aman,  
same will be eaten by Raman.  
tell how many will be  
taken by Daman.

Anything fetched by Daman  
Divide in parts of two.  
Raman also gets equal part.  
By making equal queue.



## Mental Exercise



## Note

The teacher will teach his students to make double and to make half with solid objects and through a story.

# Worksheet

1. Write the number made by adding maan cards.

$$\begin{array}{|c|} \hline 10 \\ \hline \end{array} \quad \begin{array}{|c|} \hline 4 \\ \hline \end{array} = \boxed{\phantom{00}}$$

$$\begin{array}{|c|} \hline 10 \\ \hline \end{array} \quad \begin{array}{|c|} \hline 7 \\ \hline \end{array} = \boxed{\phantom{00}}$$

2. Add/subtract as given below.

$$9 + 4 = \boxed{\phantom{00}} \qquad 8 - 2 = \boxed{\phantom{00}}$$

$$8 + 0 = \boxed{\phantom{00}} \qquad 7 - 0 = \boxed{\phantom{00}}$$

3. Encircle the correct number.

(i) Fifteen

15 20 5

(ii) Fifteen

9 8 6

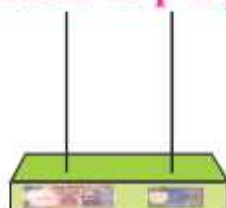
4. Write tens and ones for given numbers (as done for number 13)

Number	Tens	Ones.
13	1	3
17		
8		
14		

5. Draw beads in the abacus as per given number.



10



14



19



### Things to Remember

- Smallest number of 2-digits = 10
- Pick a currency note of Rupees 10 in place of 10 currency notes of Rupees 1.
- Pick two maan cards for counting 10 to 20 and join their edges.

### We have learnt

#### Counting upto 20

Count, read and write forward and backward counting in words upto 20.

To make groups of ones and tens of a number.

Addition-subtraction of 1-digits numbers orally and with number strip

Before, After and in between the numbers

Comparison