

# MATHEMATICS

## Standard I

### Part - I



Government of Kerala

DEPARTMENT OF EDUCATION

State Council of Educational Research and Training (SCERT);  
Kerala

2016

## THE NATIONAL ANTHEM

Jana-gana-mana adhinayaka, jaya he  
Bharatha-bhagya-vidhata.  
Punjab-Sindh-Gujarat-Maratha  
Dravida-Utkala-Banga  
Vindhya-Himachala-Yamuna-Ganga  
Uchchala-Jaladhi-taranga  
Tava subha name jage,  
Tava subha asisa mage,  
Gahe tava jaya gatha.  
Jana-gana-mangala-dayaka jaya he  
Bharatha-bhagya-vidhata.  
Jaya he, jaya he, jaya he,  
Jaya jaya jaya, jaya he!

## PLEDGE

India is my country. All Indians are my brothers and sisters.

I love my country, and I am proud of its rich and varied heritage. I shall always strive to be worthy of it.

I shall give respect to my parents, teachers and all elders and treat everyone with courtesy.

I pledge my devotion to my country and my people. In their well-being and prosperity alone lies my happiness.

*Prepared by :*

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*Dear friends,*

*This book is set with the aim to make learning of mathematics interesting.*

*Major activities are intended to be done with the help of teachers.*

*Mathematical concepts included in this book are to be attained from the experiences from the surroundings.*

*Try to acquire them through games, observation and experiments.*

*With love,*

**Dr. P. A. Fathima**  
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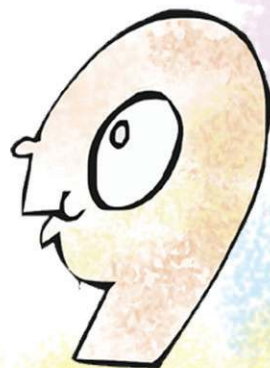
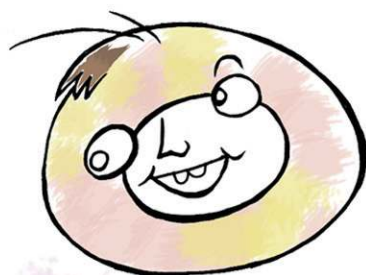
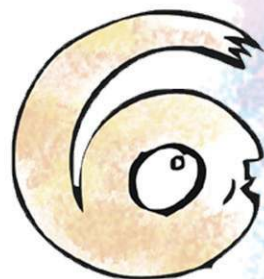
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1

# Thara's Home







Who do you see in the picture?



Thara came to see Meenu.

A *big* cow and  
a *small* calf.

Come on  
Meenu, see my  
Nandinikutty.



Which is bigger?  
Put ✓ mark.



The hen is *outside*.  
And the chicks?

They are *inside*.



Who is inside?  
Put ✓ mark.



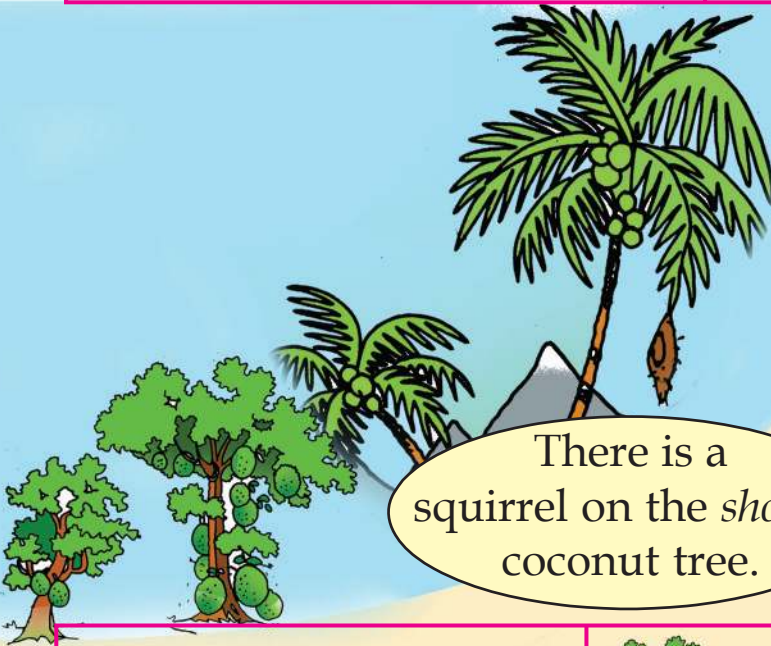


Look! The crow's nest is on the *top*. There must be eggs.

Oh! There are ants here at the *bottom*.



Who is at the bottom?  
Put ✓ mark.



There is a nest on the *taller* coconut tree.

There is a squirrel on the *shorter* coconut tree.

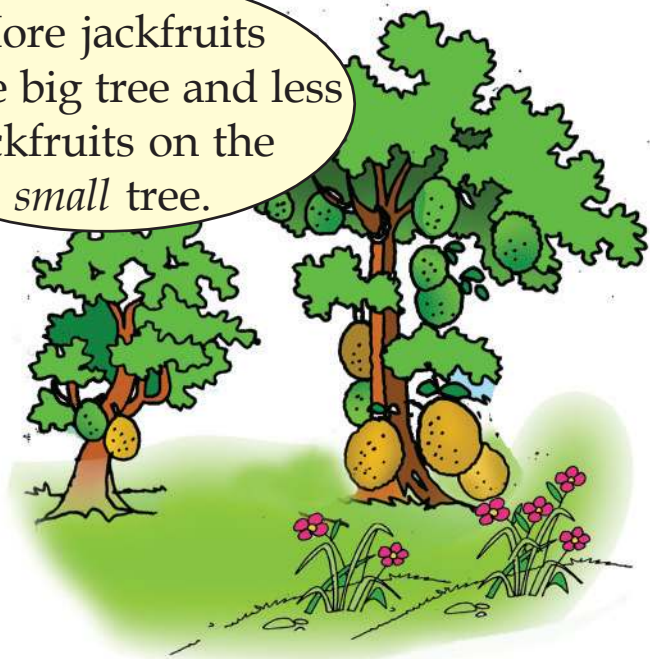
Put ✓ mark on the shorter one





The jackfruit of this *big* tree taste like honey.

More jackfruits on the big tree and less jackfruits on the *small* tree.



Which is less? Put ✓ mark.



**Who's at the front?**

**Who's at the back ?**

Thara walked in front of Meenu as they went to the pond.

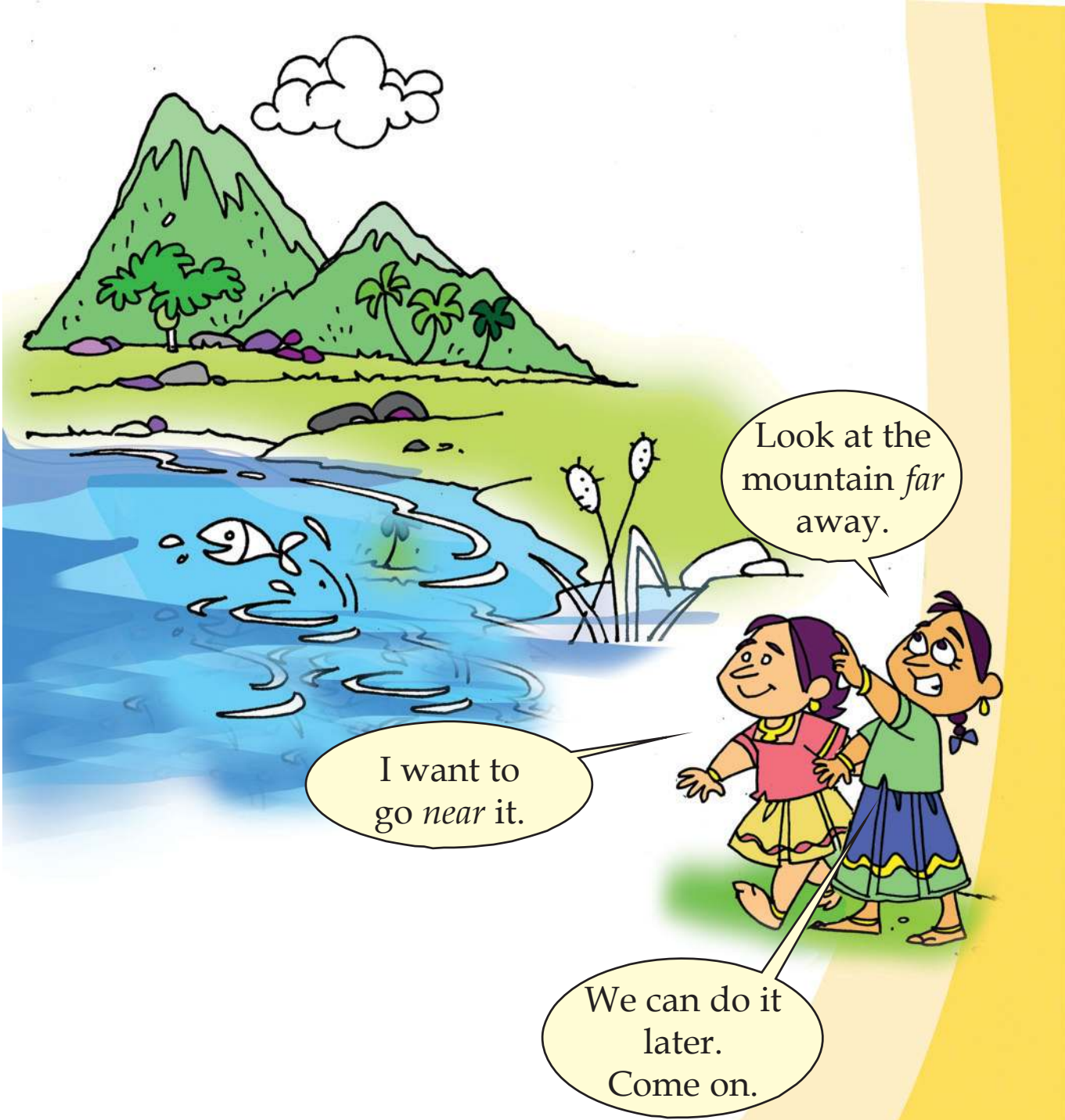
There is spinach at the *right* side and plantains at the *left*.



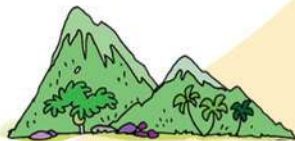
Which one is at Thara's left side? Put ✓ mark.



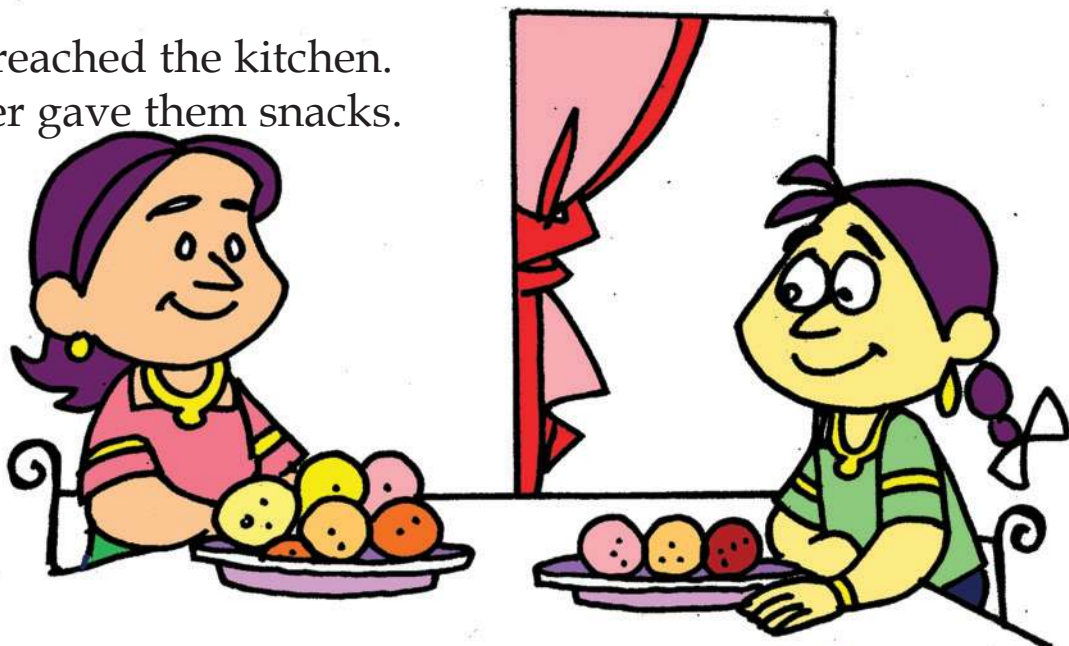




Which one is nearer?  
Put ✓ mark.



They reached the kitchen.  
Mother gave them snacks.



Who has more?  
Put ✓ mark.

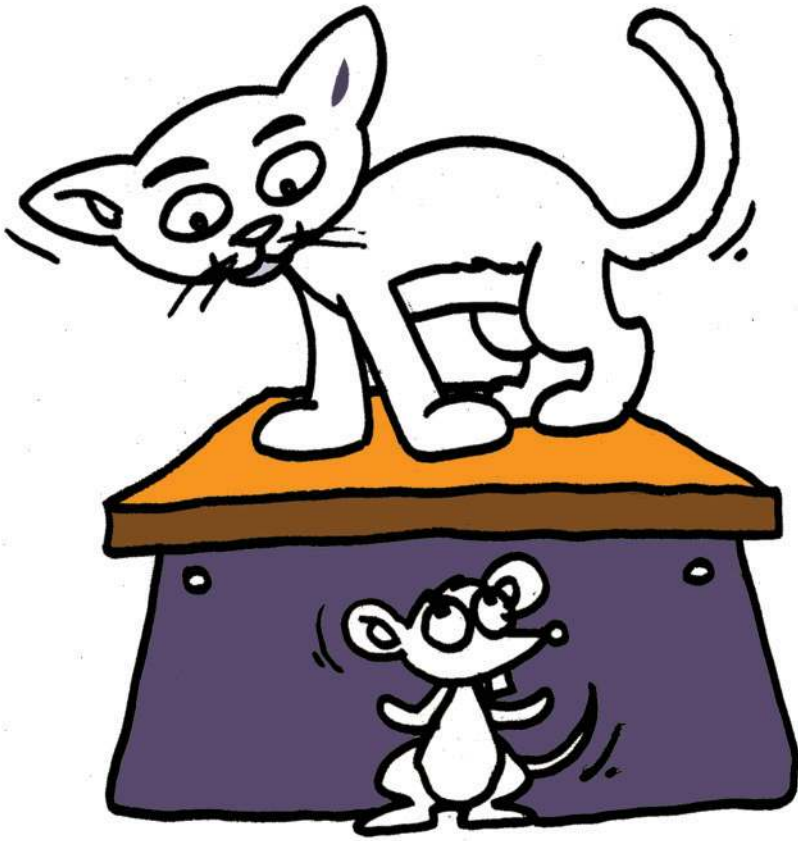


Wow!  
Beautiful  
dolls!

These are  
my dolls.



Colour the small doll.



Colour the one on the top of the box.



Colour the cat in front of Thara.



Which is small ? Draw a circle.



Which tree is far? Draw a circle around it.

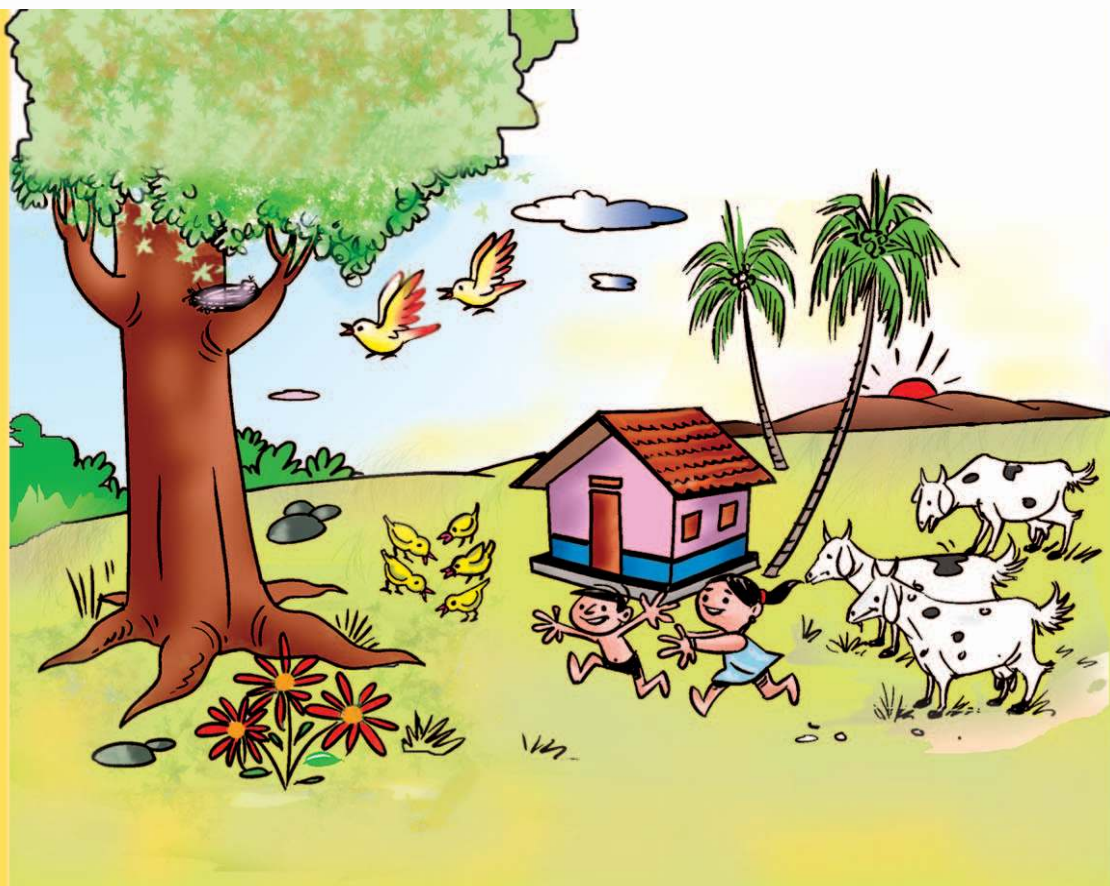


Who's inside? Who's outside?  
Colour the one who is outside.



# 2

## Manu's Mischief



So many groups!







Two birds  
built a nest.



A good nest,  
beautiful nest.



The bird laid eggs.  
One, two, three!  
Three eggs.

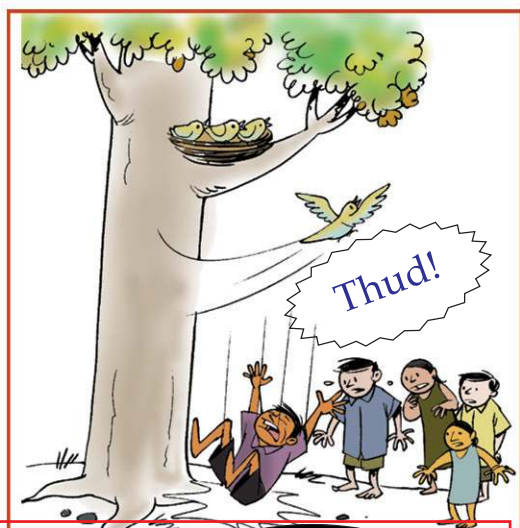
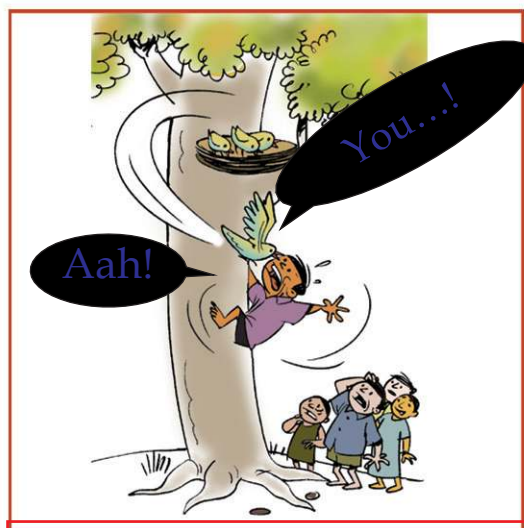
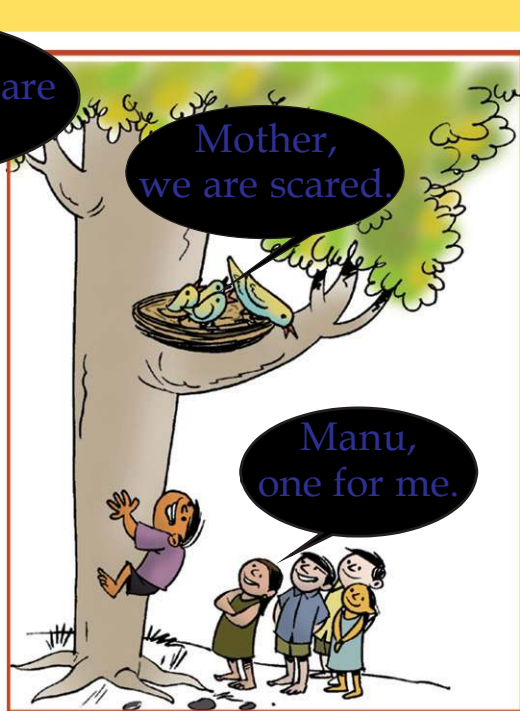


All three hatched.  
Three small birds.



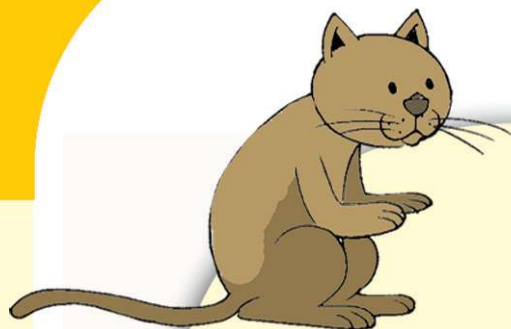
Mother  
has come

Wow!  
Four ears of rice!





Let us sing a song



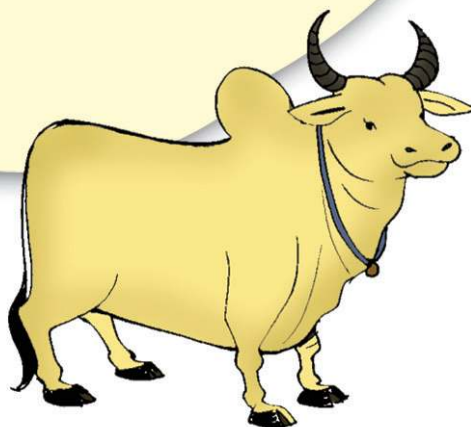
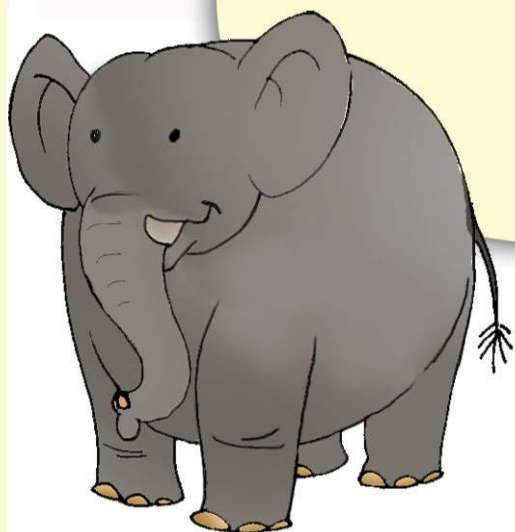
Elephant has one long Trunk  
One and only one.

Bull has two long horns  
Two and only two.

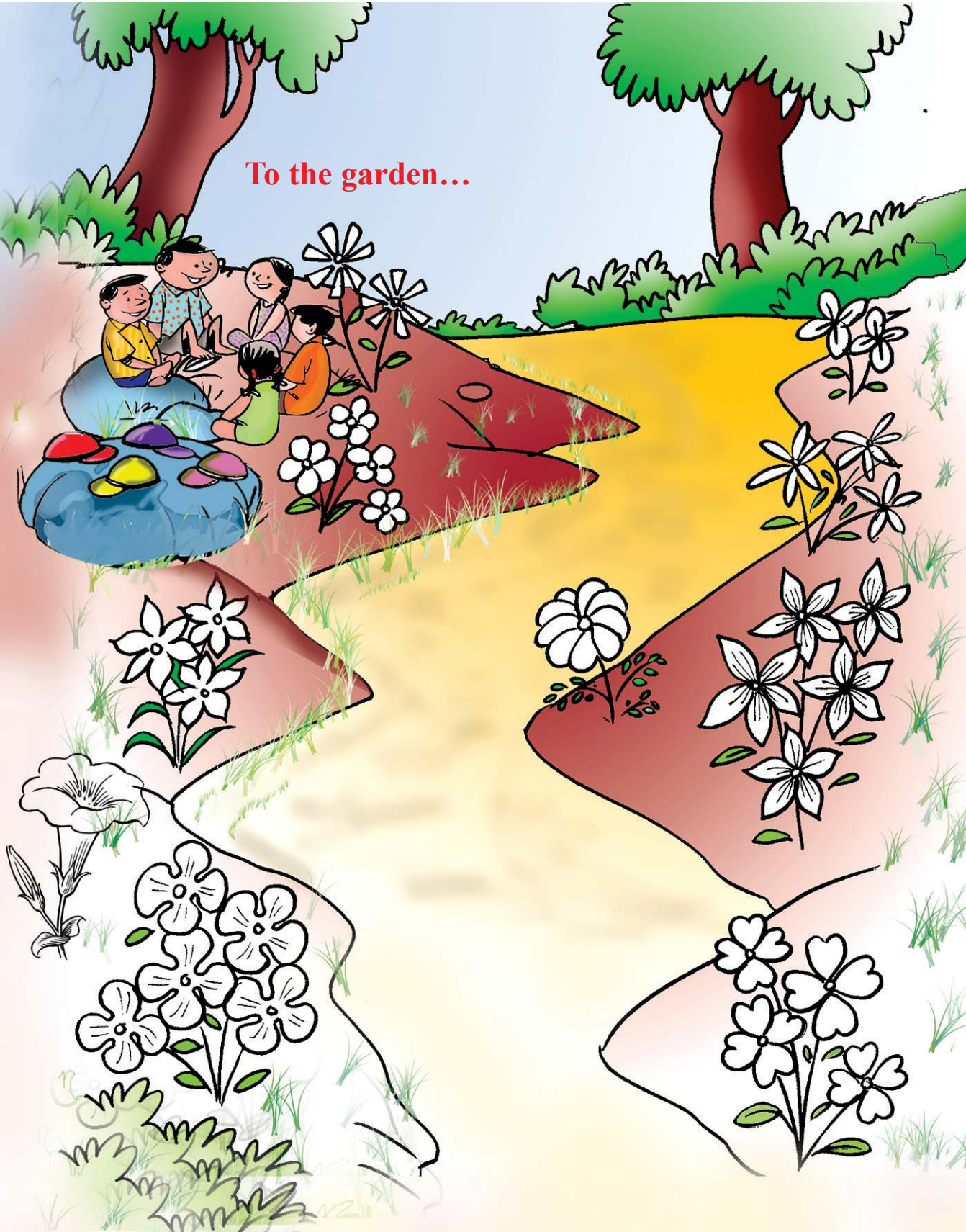
Coconut has three eyes  
Three and only three.

Cat has four short legs  
Four and only four.

Each hand has five fingers  
Five and only five.



To the garden...






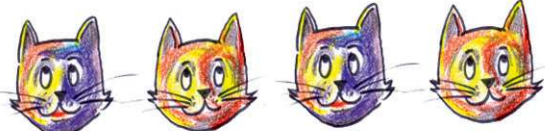


Look at the different plants.  
Which plants have the same number of flowers?  
Give them the same colour.



## Friends at the garden

Count and draw dots.

## Flowers.. Flowers.. Everywhere..



Flowers, flowers everywhere  
One of them is blue  
Blue Pea is blue

Flowers flowers everywhere  
Two of them are Roses  
Colour of Rose is rose

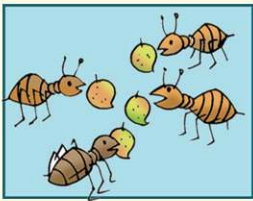
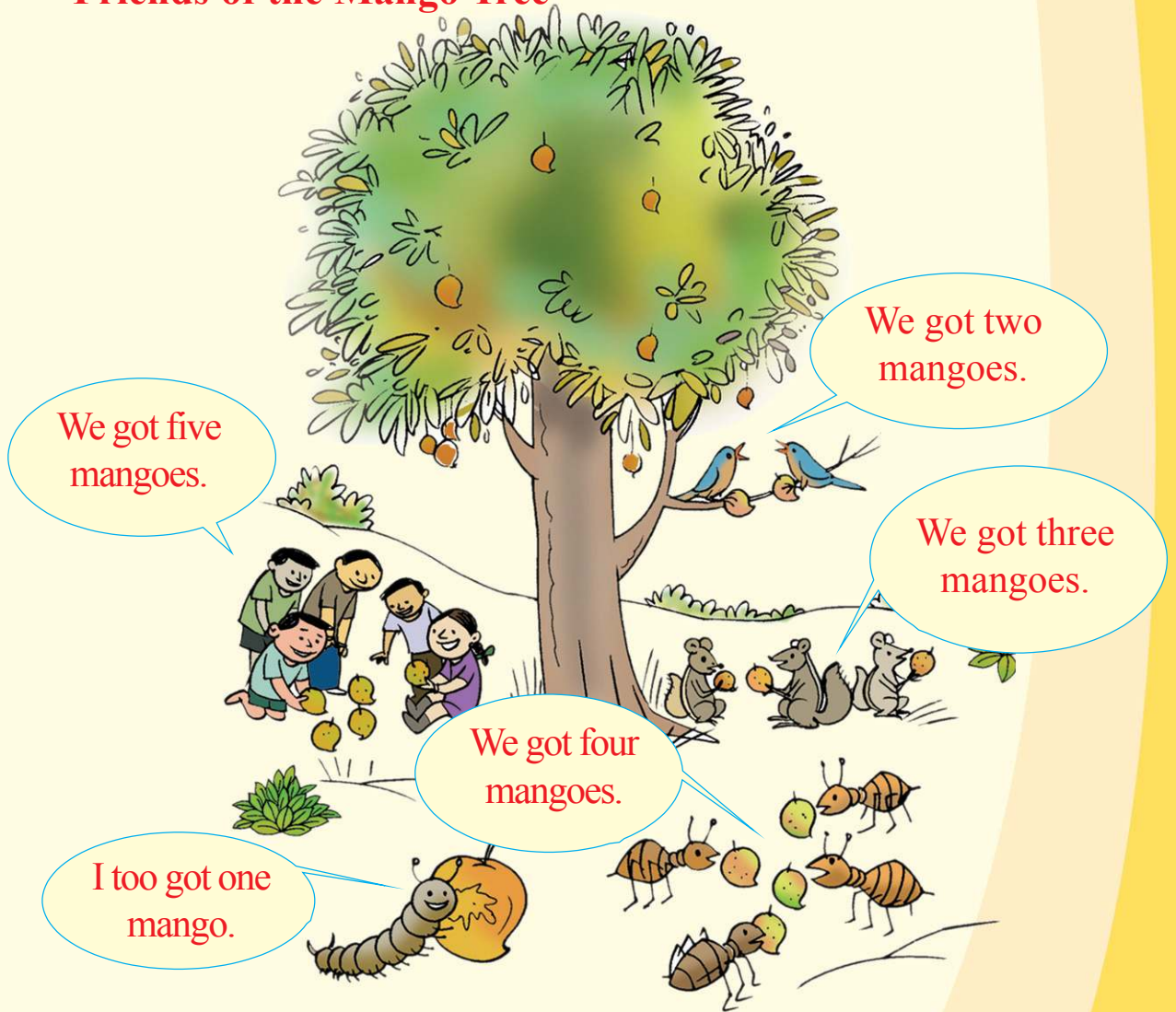
Flowers flowers everywhere  
Three of them are yellow  
Marigold is yellow

Flowers flowers everywhere  
Four of them are red  
Hibiscus is red

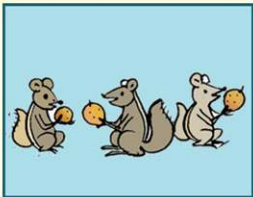
Flowers flowers everywhere  
Five of them are white  
Jasmine is white.



# Friends of the Mango Tree



We are four.  
We have  
4 mangoes.



We are three.  
We have  
3 mangoes.

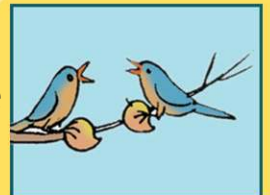


We are five.  
We have  
5 mangoes.

I am one.  
I have  
1 mango.

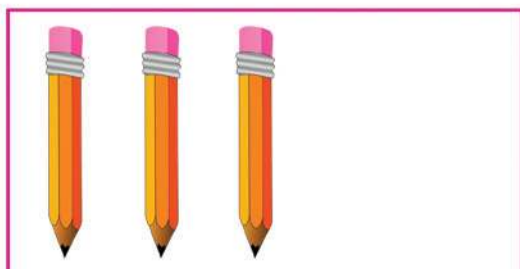


We are two.  
We have  
2 mangoes.

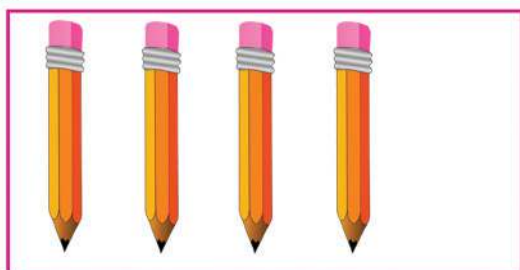


**How many?**

Match with numbers



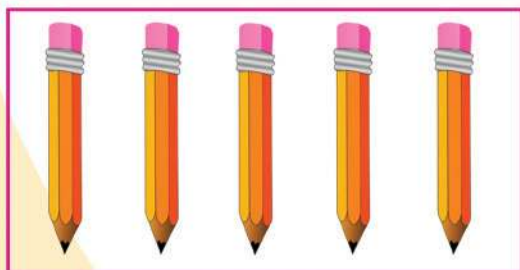
**1**



**2**



**3**



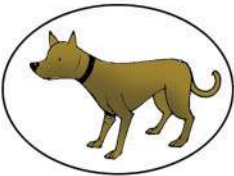
**4**




**5**

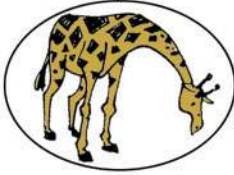


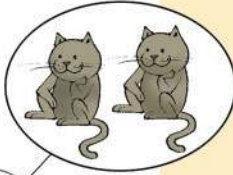
# Count and write the number

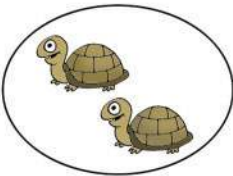


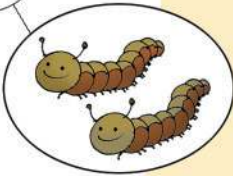
1

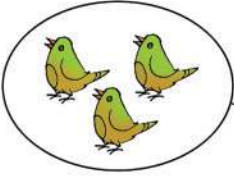


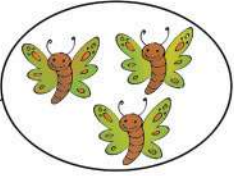


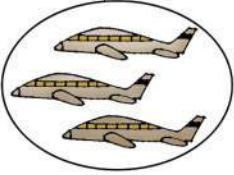





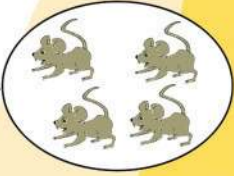





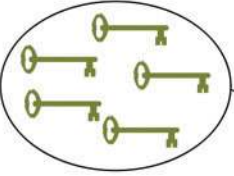


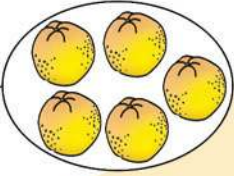


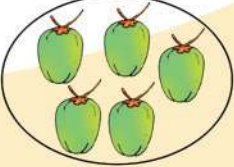












## Let us match

Look at the numbers on the slate.

Count the different things in the cupboard.

Do they match?



How many are in the cupboard?

Spoon

Pot

Tumbler

Cup

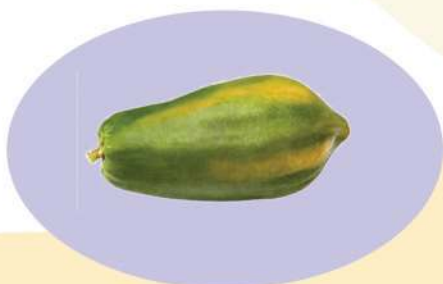
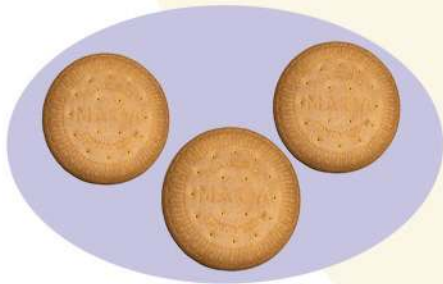
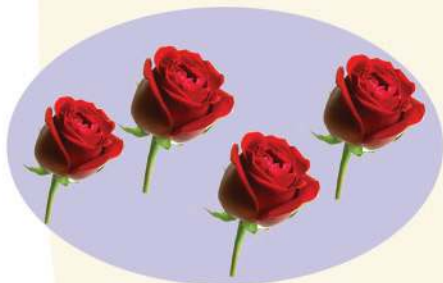
Lunch box

Some are missing.

Put an X mark in the other slate for the missing.



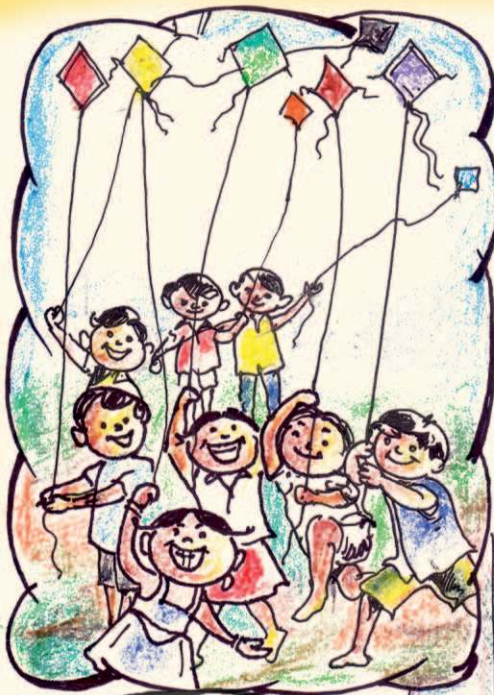
Count and write



# Manu's Dream







Oh! Eight kids  
flying kites.



Seven,  
wet in rain.



One, two buckle my  
shoe

Three, four shut the door

Five, six pick up the  
sticks

Seven, eight lay them  
straight

Nine, ten a big fat hen





Gooseberries for all!  
Six for 6 friends.



Seven  
for 7 friends.

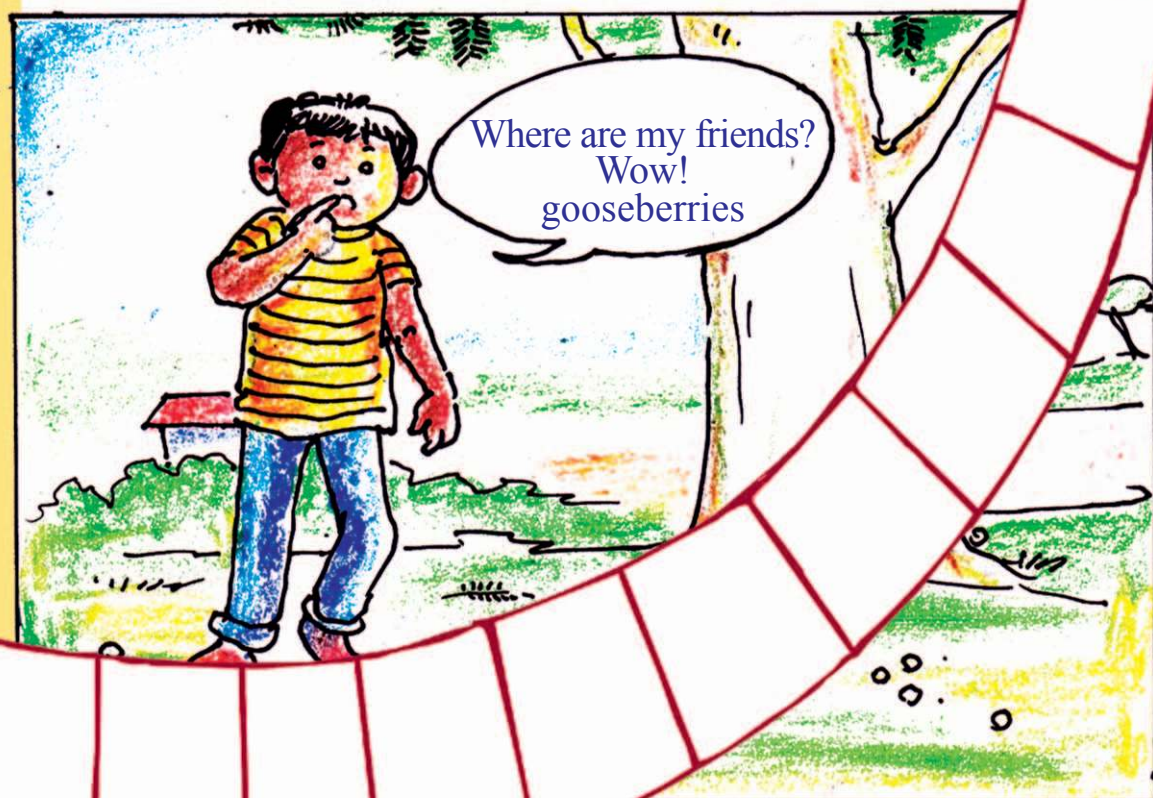


8 for them.

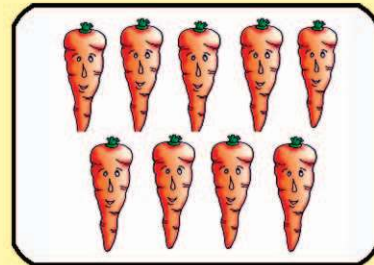
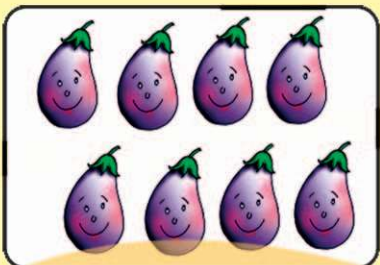
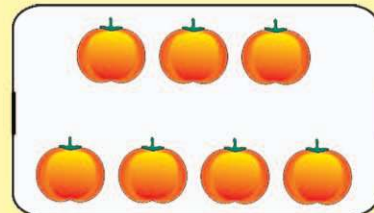
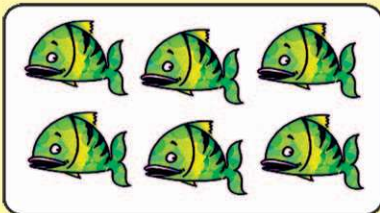
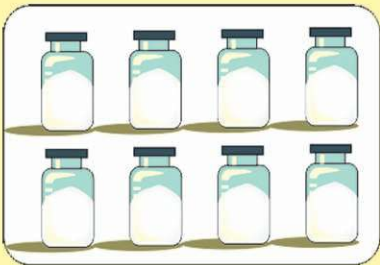
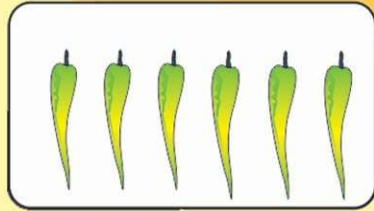
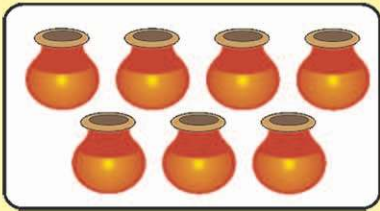


They are nine.  
So 9 for them.





Count and write



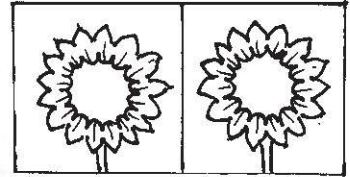


## Who are hiding?



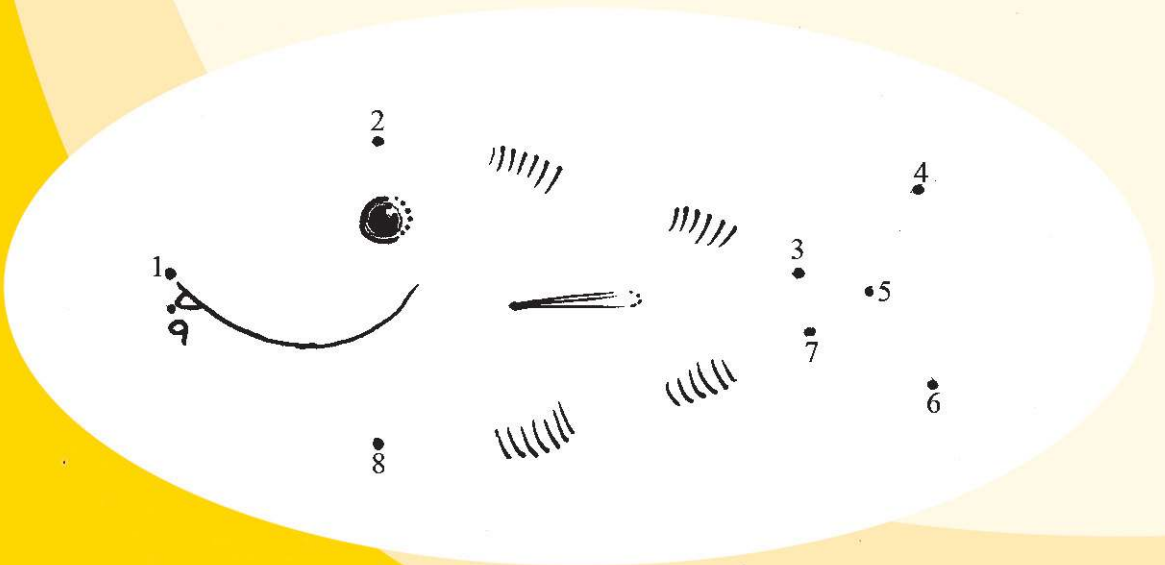
There are two flower pots behind the van.

What are the numbers on them?



## Who is hiding?

Join the dots from 1 to 9 in order and see.





Count and write



Look at the picture above.  
How many of each are in the picture?



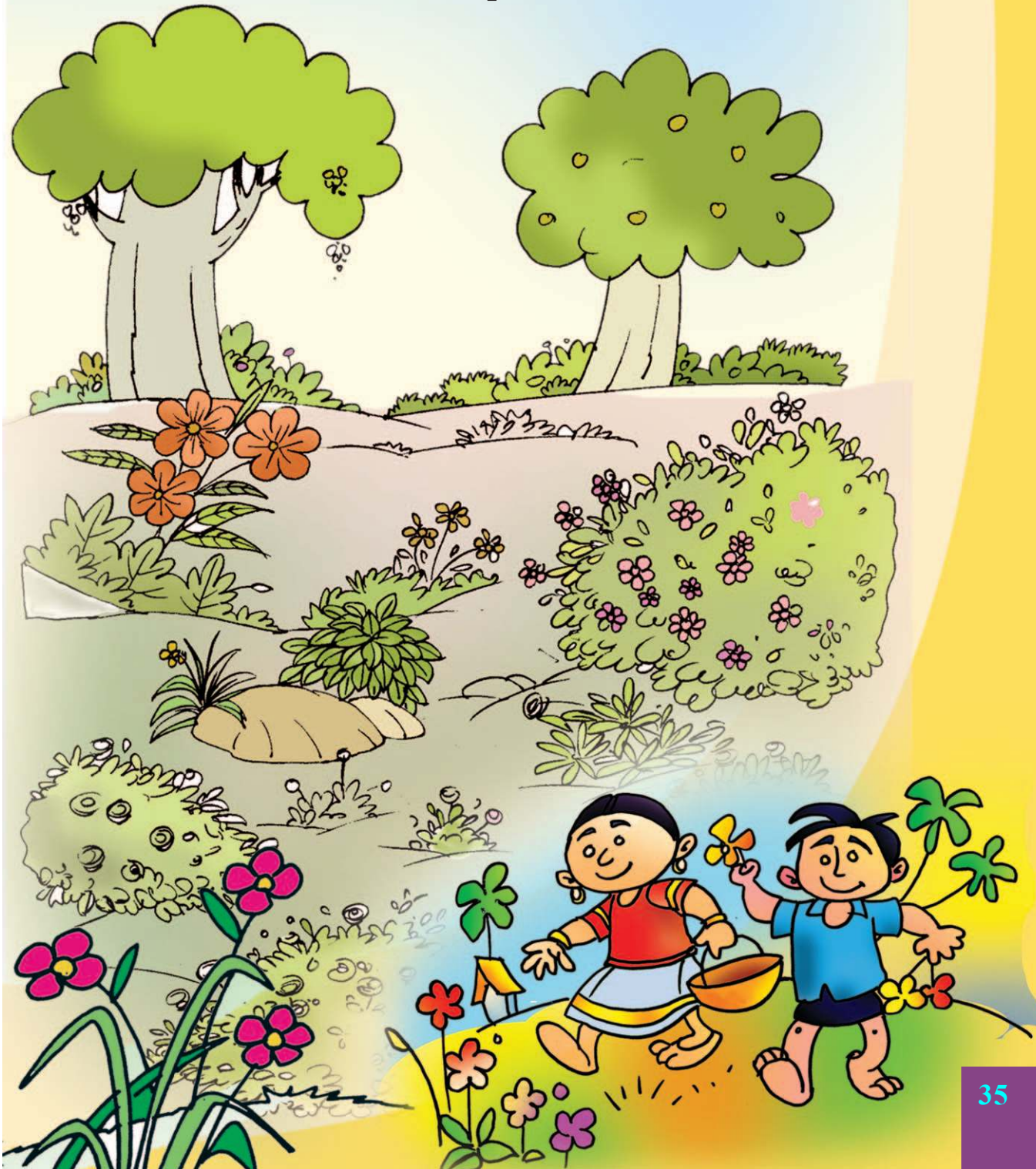
Which is the largest number here?  
And the smallest?

# 4

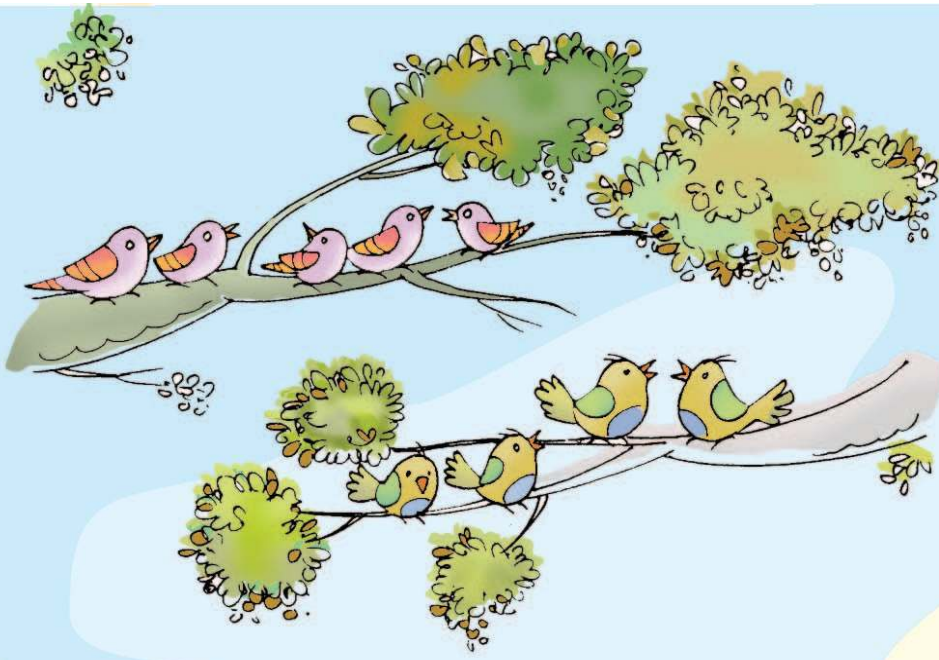
## Let us unite for Onam

It is Onam!

Latha and Sarath went to pluck flowers.





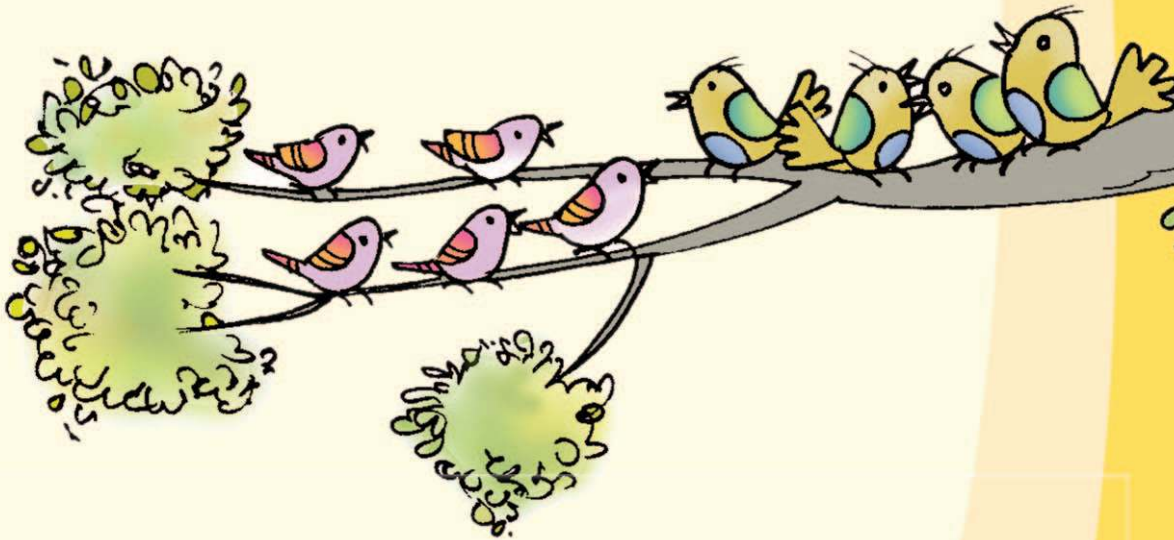


They tiptoed across.



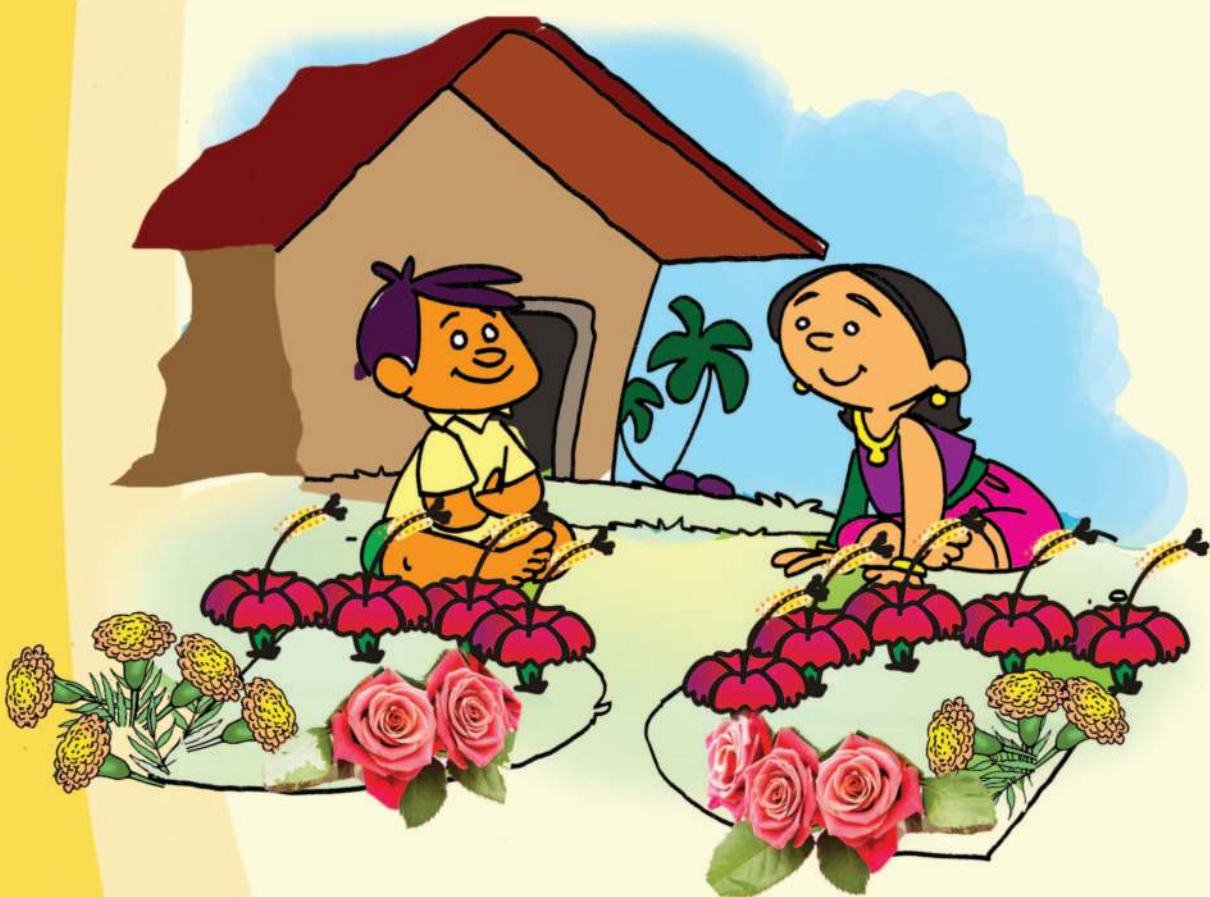


The birds flew away and sat on a branch.  
A large group!



Latha and Sarath plucked flowers.  
And then went back.





Sarath got

☐

Roses

☐

Hibiscus

☐

Marigolds

Latha got

☐

Roses

☐

Hibiscus

☐

Marigolds





They put them all together.  
Now they have,

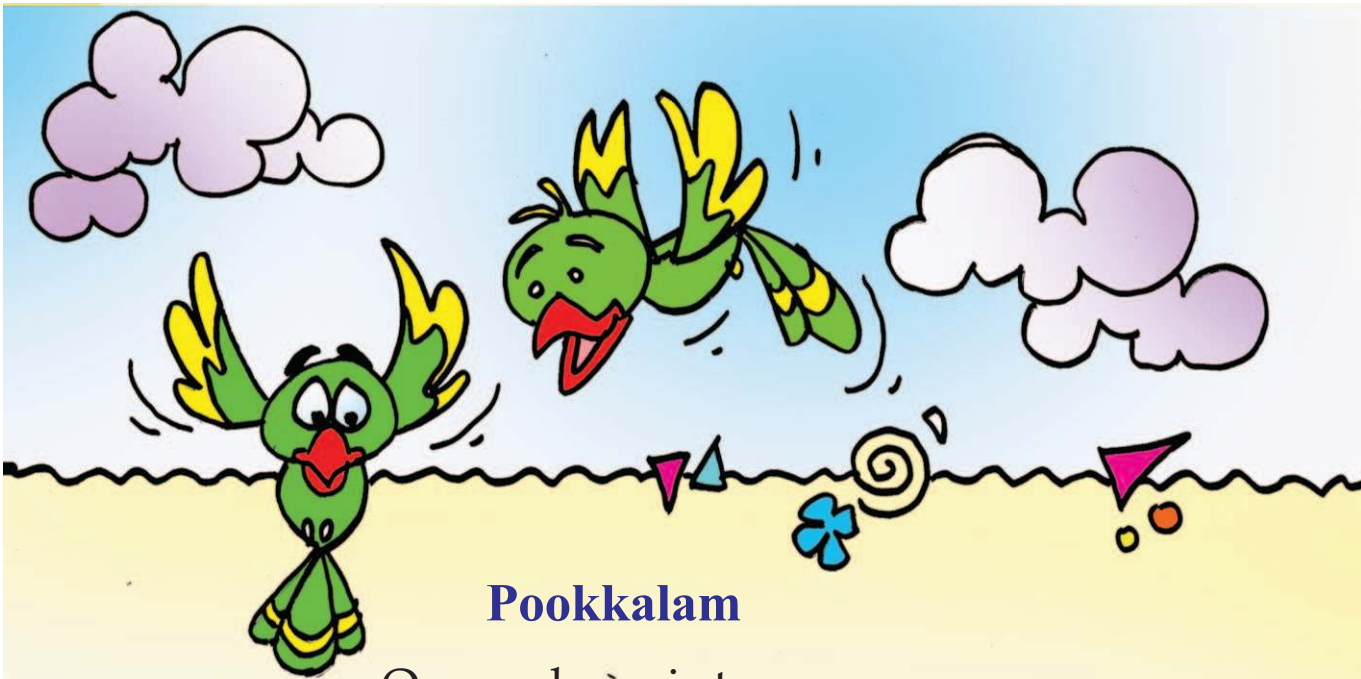
	Sarath	Latha	Total
Rose	<input type="text"/>	<input type="text"/>	<input type="text"/>
Hibiscus	<input type="text"/>	<input type="text"/>	<input type="text"/>
Marigold	<input type="text"/>	<input type="text"/>	<input type="text"/>

The most number of flowers.  
Put ✓ mark.



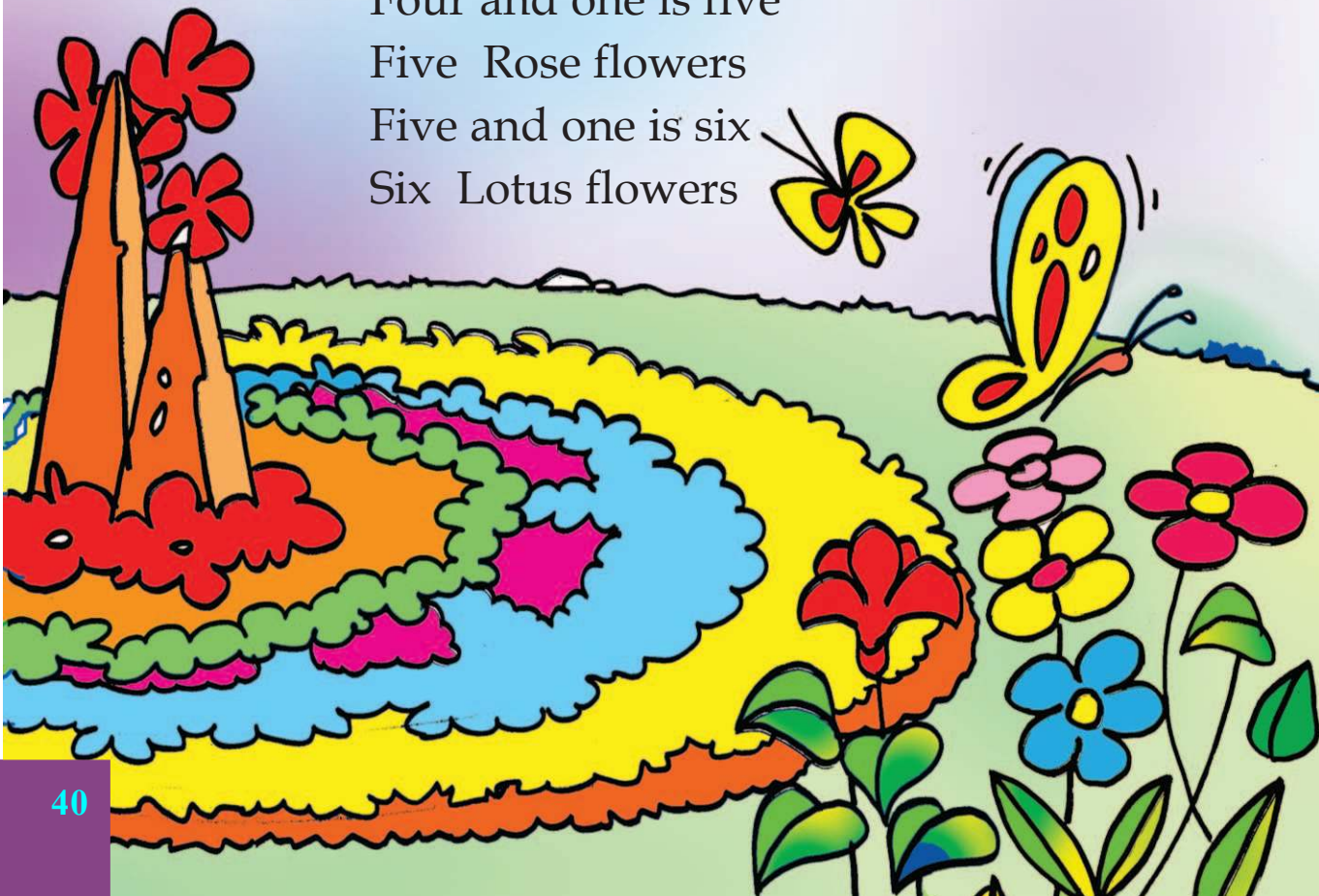
The least number of flowers.  
Put ✓ mark.





## Pookkalam

One and one is two  
Two Tulip flowers  
Two and one is three  
Three Jasmine flowers  
Three and one is four  
Four Lilly flowers  
Four and one is five  
Five Rose flowers  
Five and one is six  
Six Lotus flowers



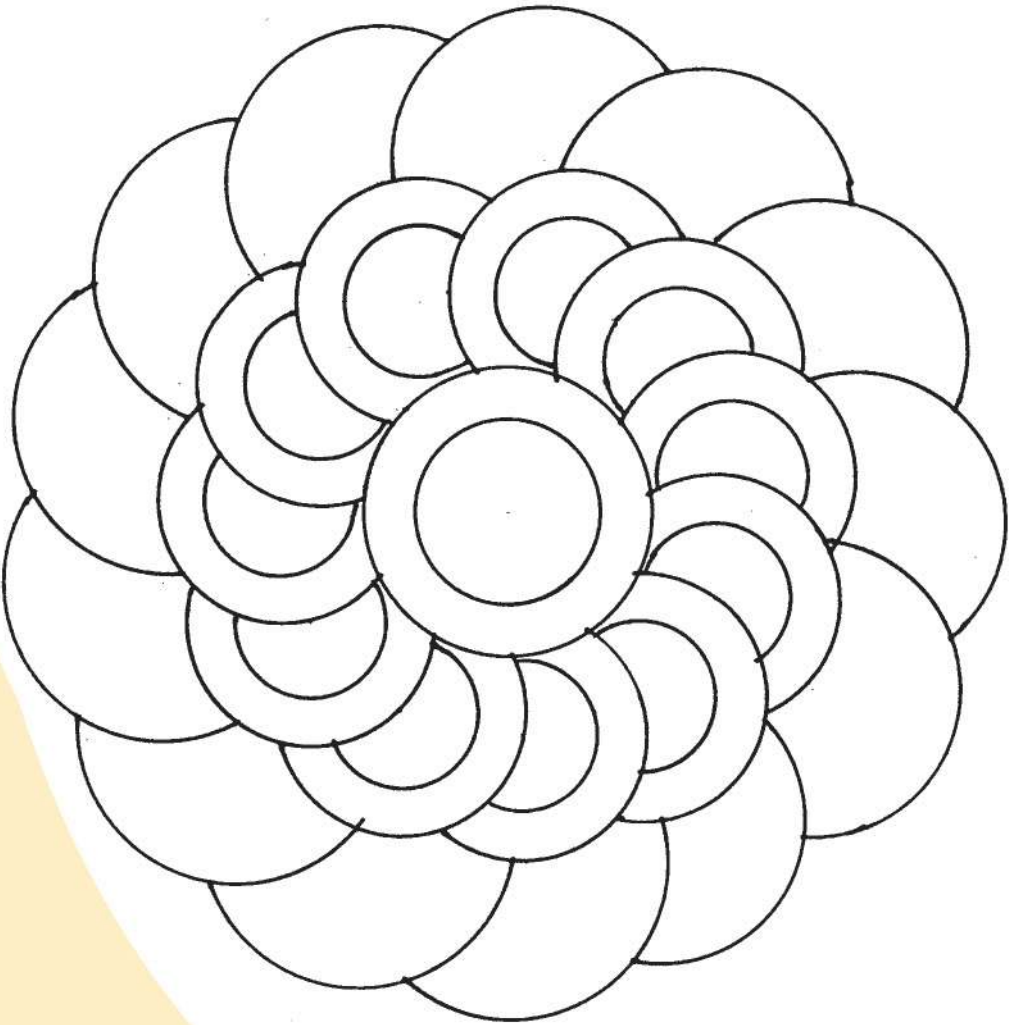




Six and one is seven  
Seven Marigolds  
Seven and one is eight  
Eight Hibiscus flowers  
Eight and one is nine  
Nine Sunflowers  
Nine and one is ten  
Ten Orchid flowers  
Together they made,  
A beautiful pookkalam



Let's colour





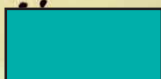
When friends came together



Sarath and his friends came to play.

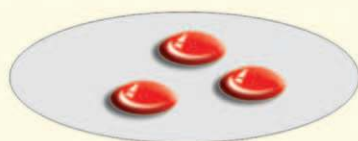
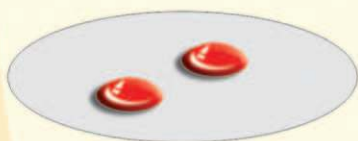
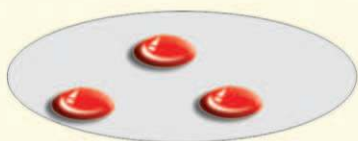


How many are there now?



## Draw and match

Which groups put together give 6?  
Join them.



Write their total.

$$\boxed{3} + \boxed{3} = \boxed{\phantom{00}}$$

$$\boxed{\phantom{00}} + \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

$$\boxed{\phantom{00}} + \boxed{\phantom{00}} = \boxed{\phantom{00}}$$



How many ways!

Divide into two groups.  
Write the numbers in the boxes.



3	+	4	=	7
	+		=	7
	+		=	7



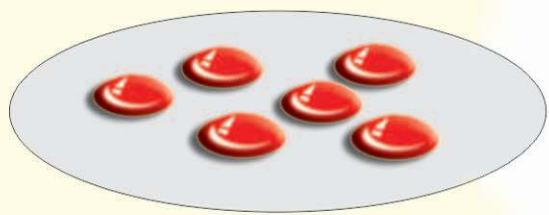
	+		=	5
	+		=	5
	+		=	5



	+		=	9
	+		=	9
	+		=	9

How many?

There were 9 beads on a plate.  
Latha grabbed some.



How many are left on the plate?

How many are in Latha's hand?



You can also try.  
Write the number after each grab.

In the plate	you took
5	
2	
1	



Who is hiding?

$4 + 3 =$

$2 + 2 =$

$5 + 1 =$

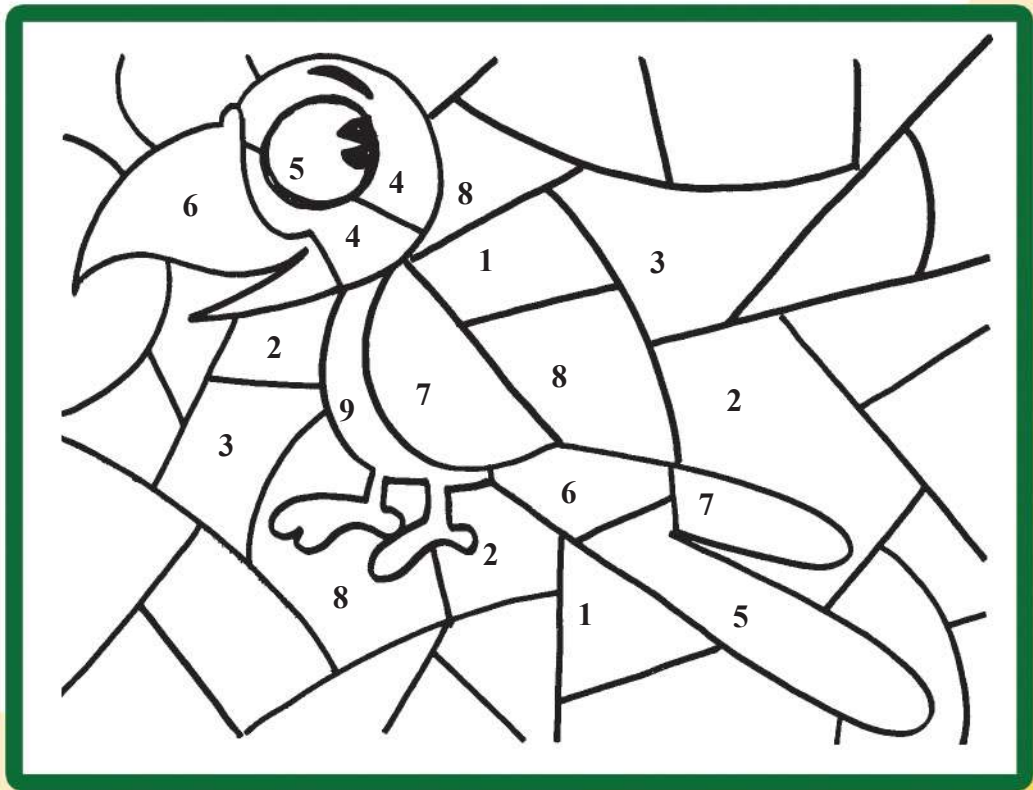
$3 + 1 =$

$4 + 1 =$

$2 + 4 =$

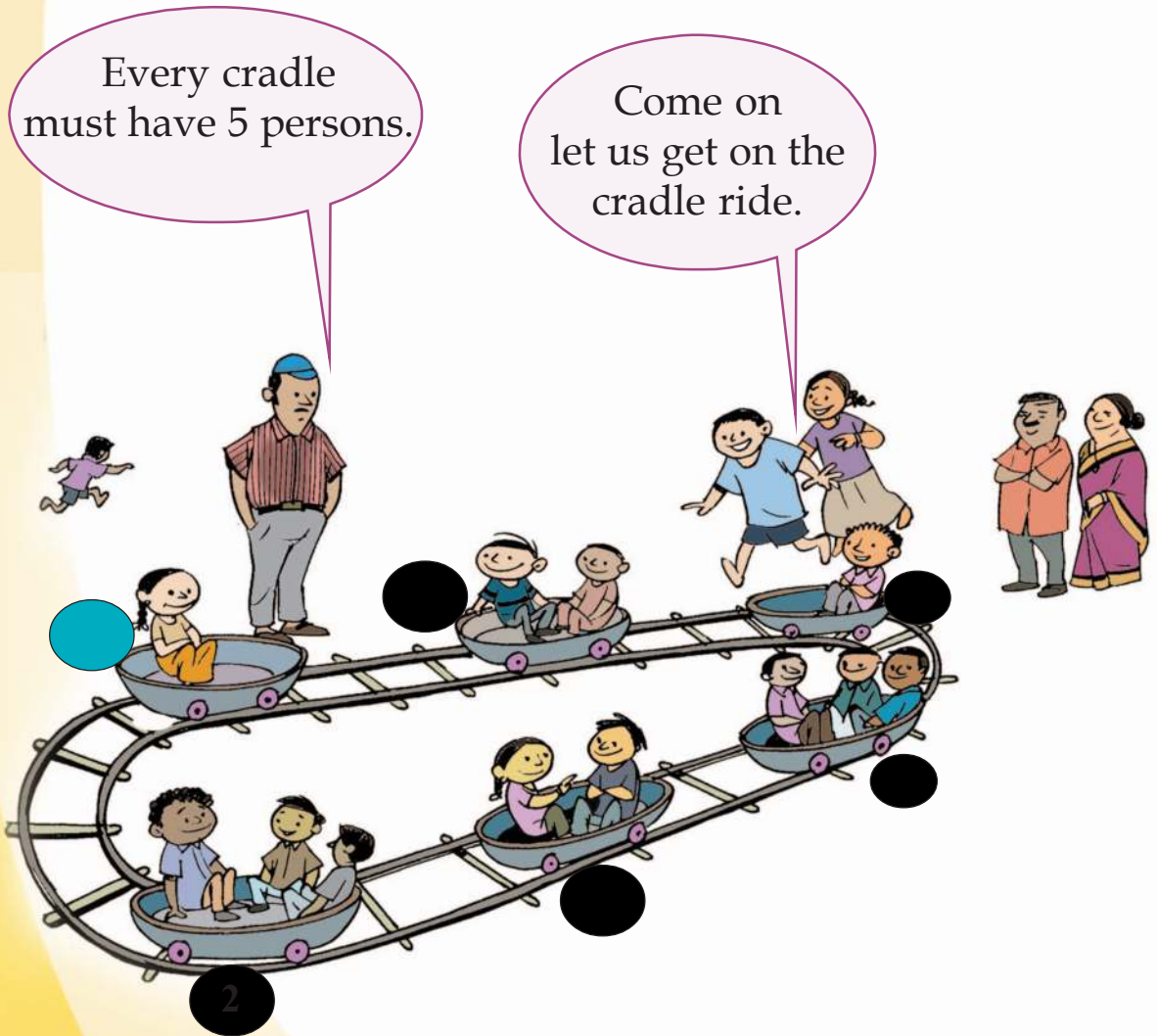
Can you see the answers in the picture?

Find out and colour them.



The Onam feast is over.  
Sarath and friends went out for sightseeing.

**Cradle ride**



How many more needed in each cradles?  
Write in the bubble.



## In the ferry



How many are in the boat?

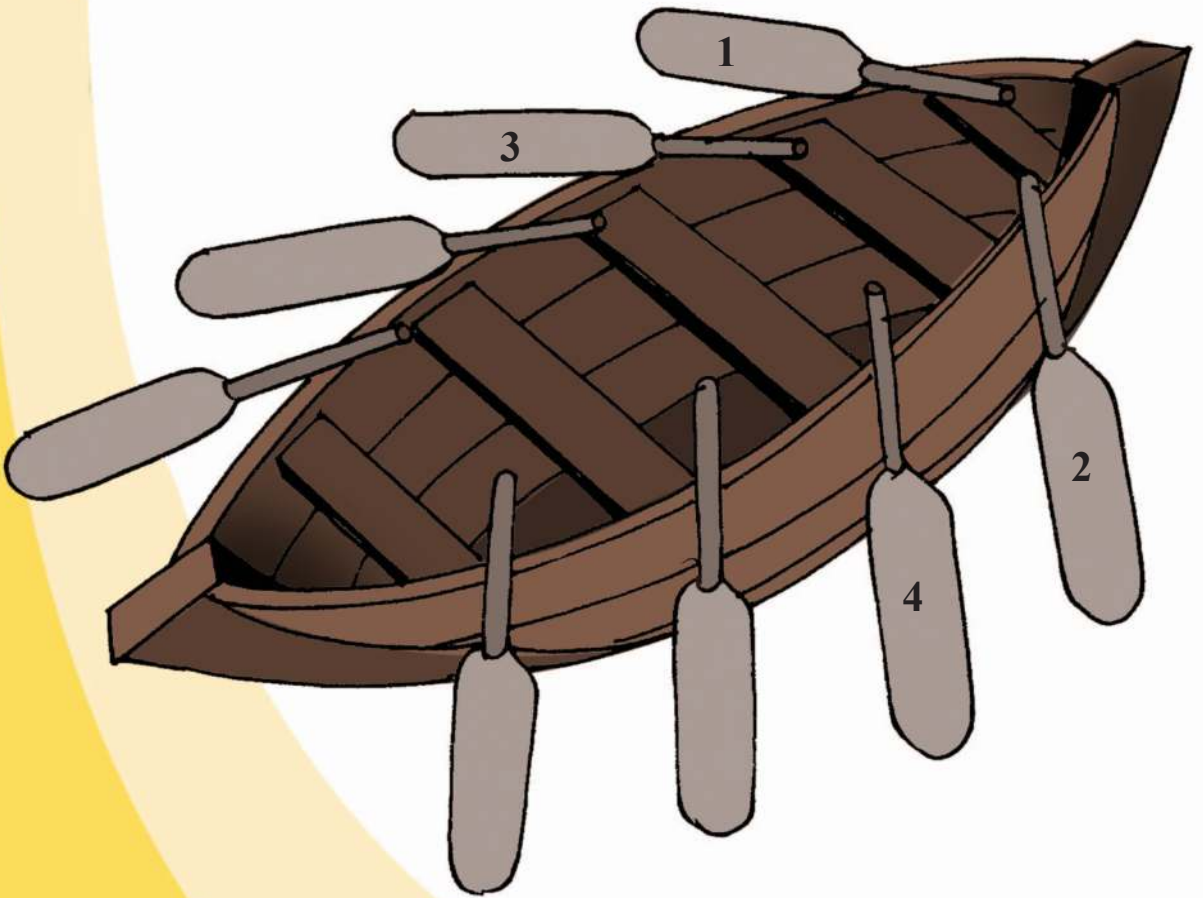
How many more can get in?

## The number on the oars

A boat on the shore.

Oars are also there.

Write the missing numbers on the oars.





## Grandma and Chinnu Cat



Grandma made five *neyyappams*.

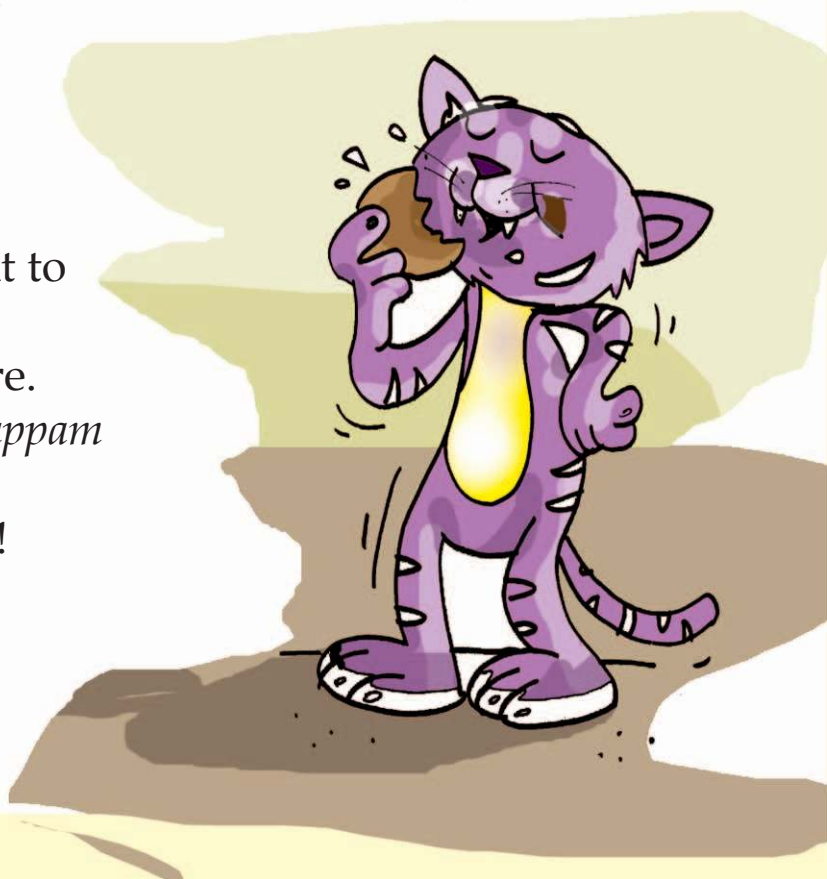


Grandma went out.



The smell of *neyyappams* reached Chinnu.

She silently went to  
the kitchen.  
No one was there.  
She took a *neyyappam*  
and ate it.  
Wow! Delicious!



Chinnu took another *neyyappam*.  
She heard something...  
And ran away.



Grandma came back.  
And looked at the plate....



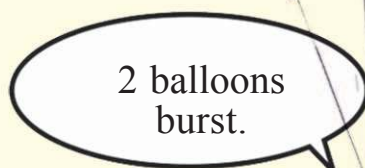
*Neyyappams* Grandma made.  
*Neyyappams* Chinnu ate.  
*Neyyappams* left on the plate.



## Fill up the boxes



$$8 - 3 = \square$$



$$5 - 2 = \square$$

$\square$ 7	-	$\square$ 2	=	$\square$
$\square$ 5	-	$\square$	=	$\square$ 3
$\square$ 9	-	$\square$	=	$\square$ 8



## Unniyappam

Mother made five *Unniyappams*

5

Ammu ate one

How many are left?

Appu ate one

How many are left?

Father ate one

How many are left?

Grandma ate one

How many are left?

Mother ate one

Nothing is left

Number left is zero

0



## Bangles

Rosy has 8 bangles.

She wants bangles on both hands.

She wore 3 bangles on her left hand.

How many would be on the right hand?



In what all ways can she wear them?

Left hand

Right hand

Reena got 7 sweets.

She gave 2 to Mini.

And 2 to Ali.

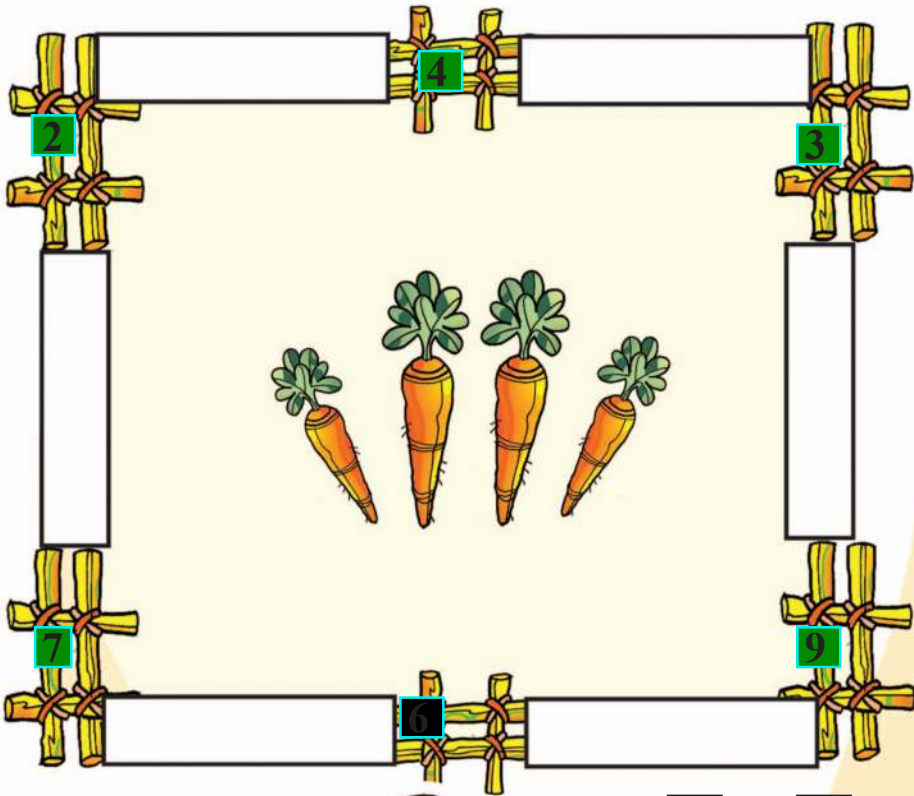
How many sweets she has now?





# Find the way

The bunny has to get into the carrot patch.  
What is the way?  
Do the problems below:



$$\boxed{8} - \boxed{4} = \boxed{\phantom{00}}$$

$$\boxed{6} + \boxed{3} = \boxed{\phantom{00}}$$

$$\boxed{6} - \boxed{3} = \boxed{\phantom{00}}$$

$$\boxed{7} + \boxed{2} = \boxed{\phantom{00}}$$

$$\boxed{2} + \boxed{4} = \boxed{\phantom{00}}$$

$$\boxed{5} - \boxed{3} = \boxed{\phantom{00}}$$



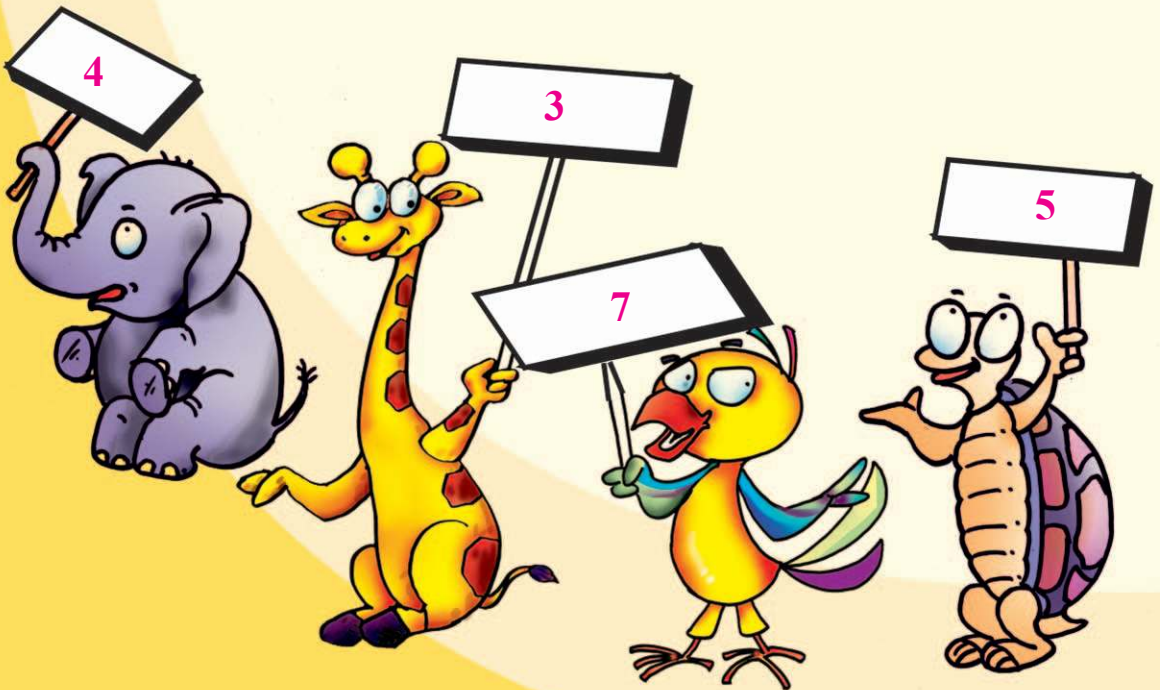
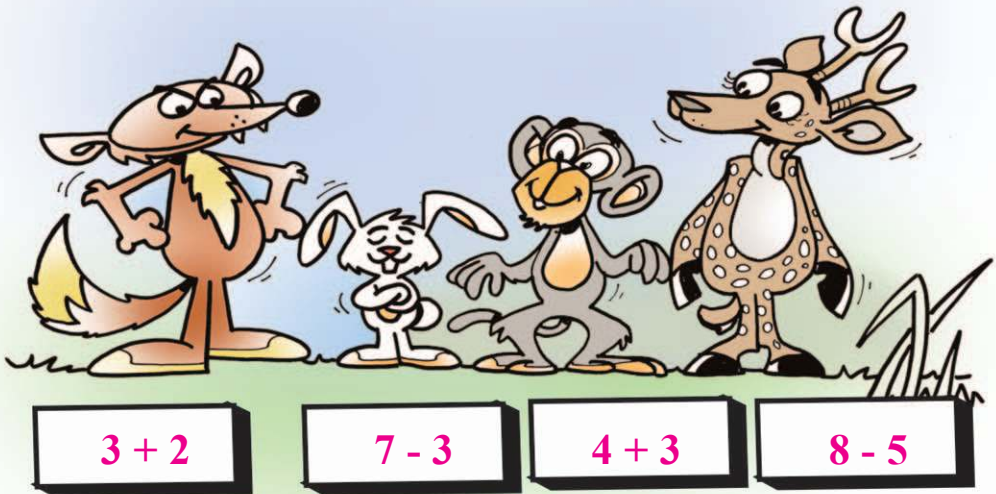
Look at the answers.

The number on one gate is not among the answers.

Bunny can open it.

## Find the friends

Match the problems and the answers.



# Let's count

Look at the picture, make a tale.





How many children on the ground?

How many birds in the sky?

How many birds on the mango tree?

How many fish in the pond?

How many houses?

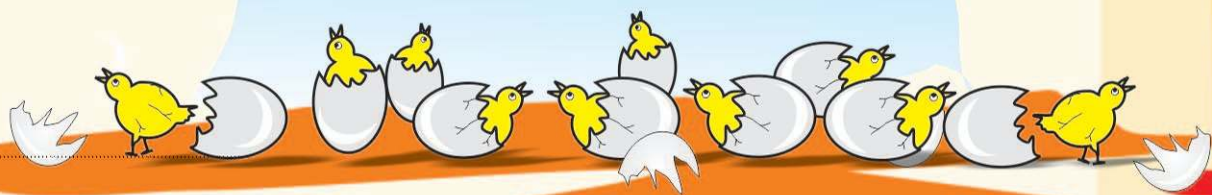


## The chicks and the hen



I laid ten eggs

**All ten hatched**



**Ten little chicks**





It is ten! It is ten!  
Fingers on hands make ten.

The tens Vinu saw.



### Grouping together

Anu cut out some sticks to play.



Vinu tied them together.

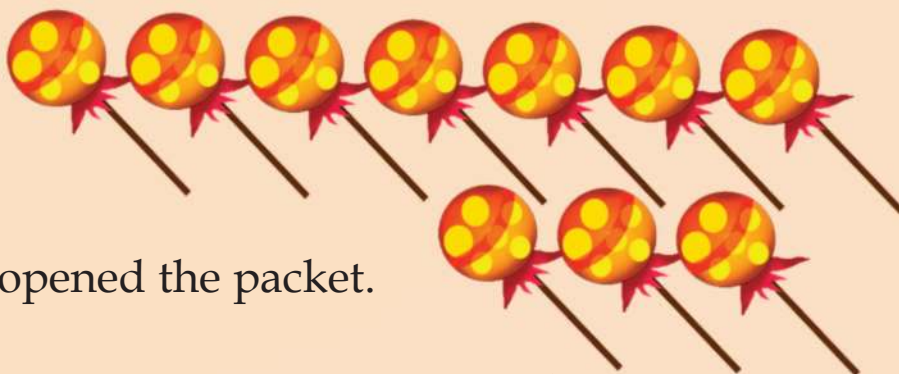
Collect *manchadi* seeds, sticks, pebbles, leaves, flowers  
and group them into tens.





Handy Spandy Jack – a dandy  
Loves plum cake and sugar candy,  
He bought some at the grocer's shop  
And out he came, hop, hop, hop.

Uncle bought sweets.



Anu opened the packet.



How do we  
write ten?

We write ten  
like this:

10



10

10



## Manchadi game

Anu takes some *manchadi*.

Less than ten.

Puts them in a square.

Vinu has to put some on the other square.

Total must be ten.

Write the number of seeds they put in.

Anu

6

+

+

+

+

+

Vinu

=

10

7

=

10

=

10

=

10

=

10

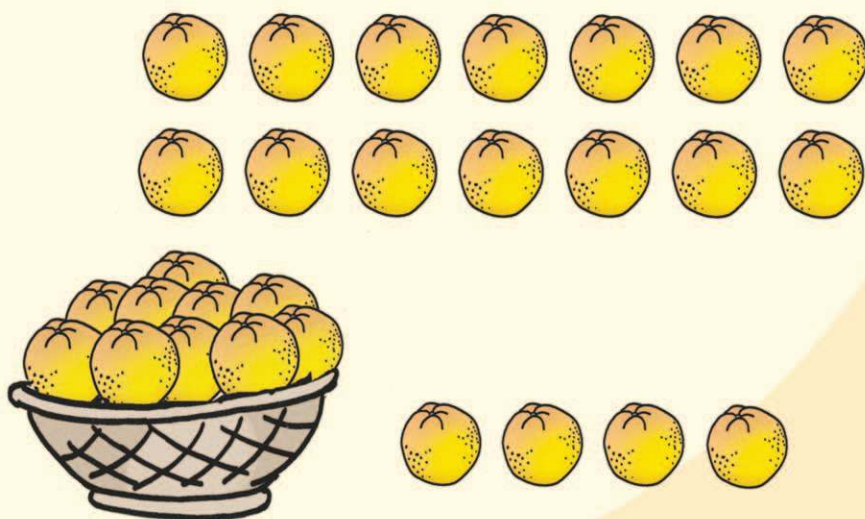
## How many pencils?

Grandpa gave Anu a packet of colour pencils.  
She already had two pencils.



We can write twelve like this : 12

## Let's count



Ten and four make fourteen

$$\boxed{10} + \boxed{4} = \boxed{14}$$

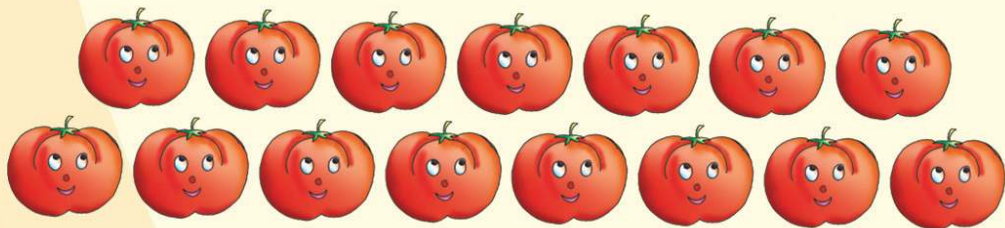


Fill in the blanks



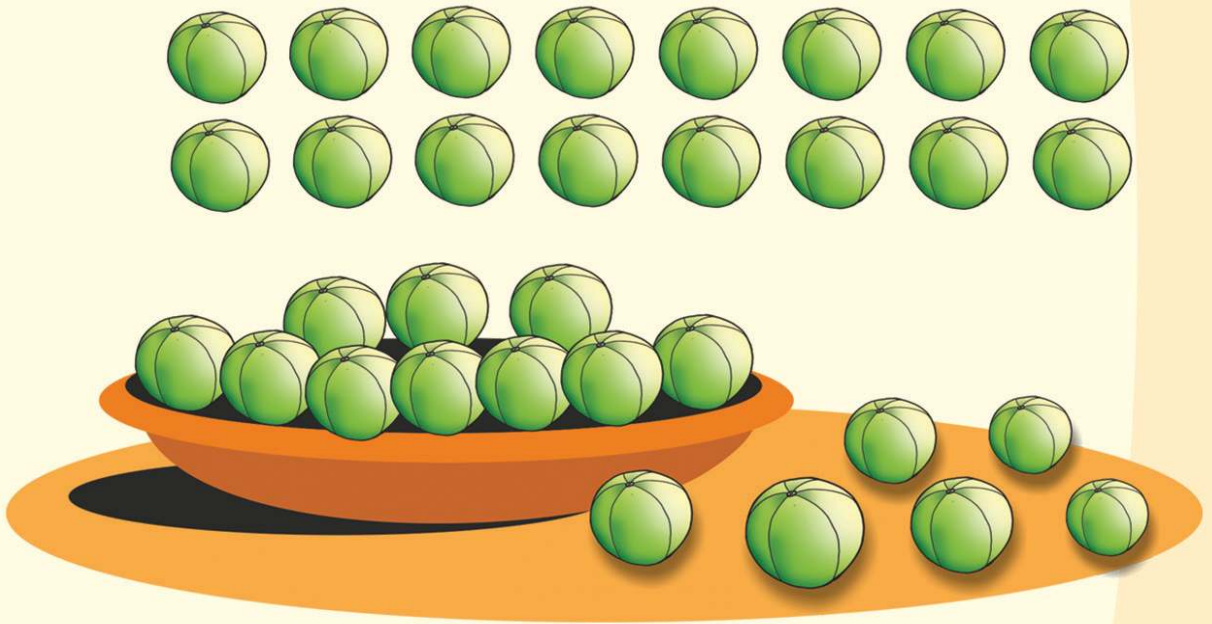
Ten and three make thirteen.

$$\boxed{10} + \boxed{\phantom{00}} = \boxed{13}$$



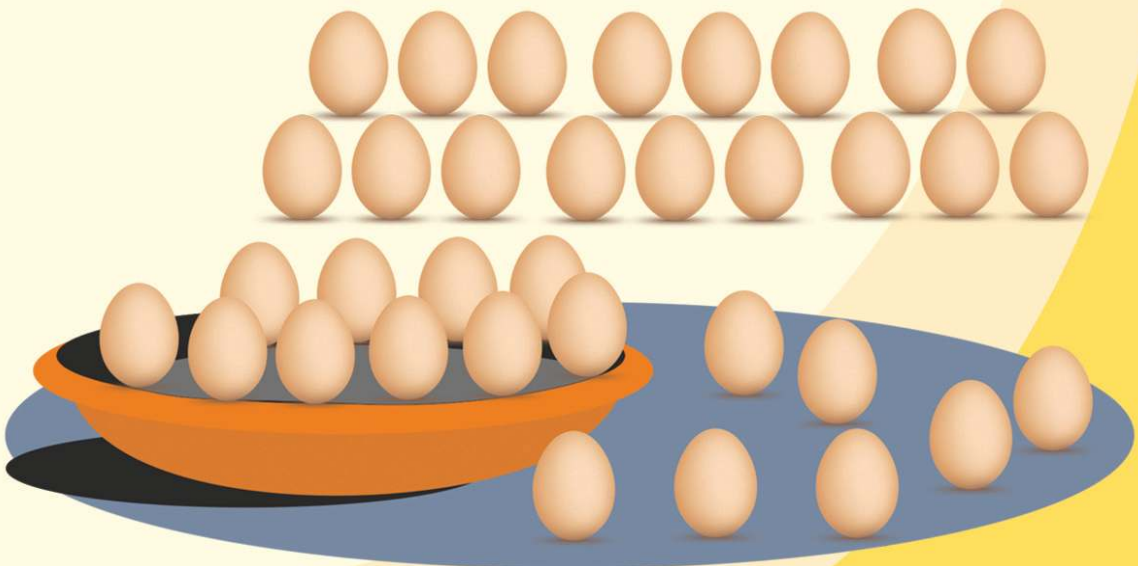
Ten and five make fifteen.

$$\boxed{\phantom{00}} + \boxed{\phantom{00}} = \boxed{\phantom{00}}$$



Ten and six make sixteen.

$$\boxed{\text{cyan}} + \boxed{\text{green}} = \boxed{16}$$



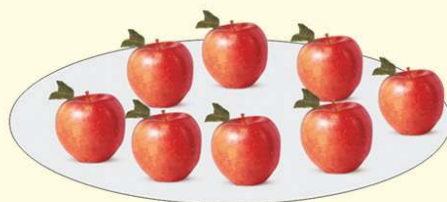
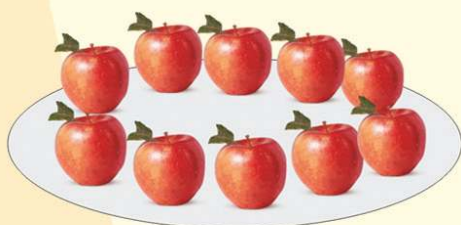
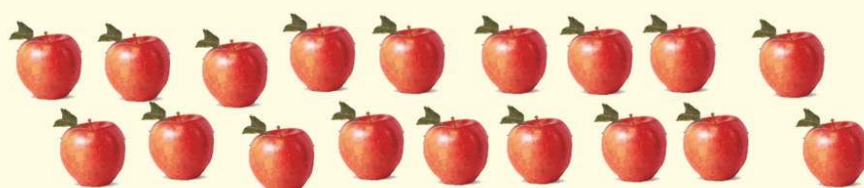
Ten and seven make seventeen.

$$\boxed{\text{black}} + \boxed{\text{green}} = \boxed{17}$$



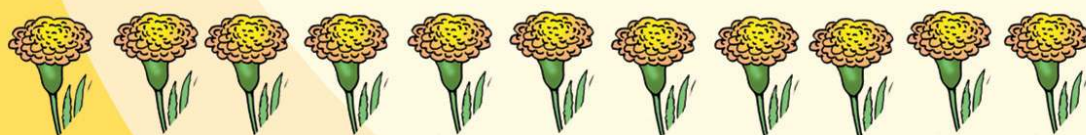
Ten and nine make nineteen.

$$\boxed{\phantom{00}} + \boxed{\phantom{00}} = \boxed{19}$$



Ten and eight make eighteen.

$$\boxed{\phantom{00}} + \boxed{\phantom{00}} = \boxed{\phantom{00}}$$



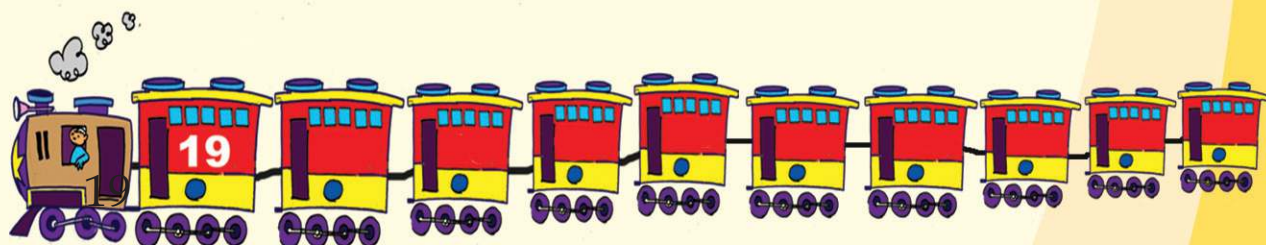
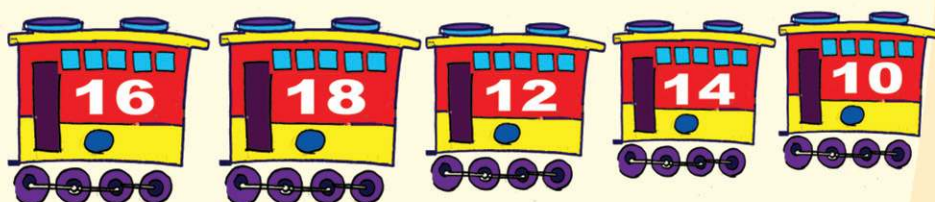
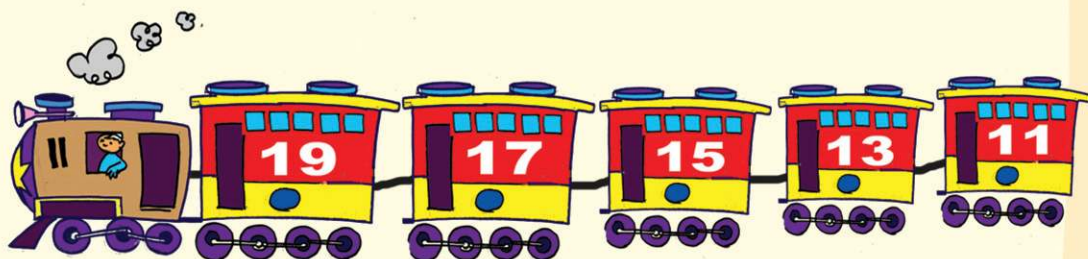
Ten and one make eleven.

$$\boxed{\phantom{00}} + \boxed{\phantom{00}} = \boxed{11}$$



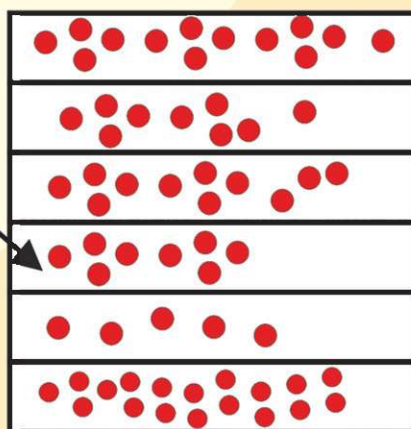


Write the numbers on the coaches  
in order;






















Count the dots and match

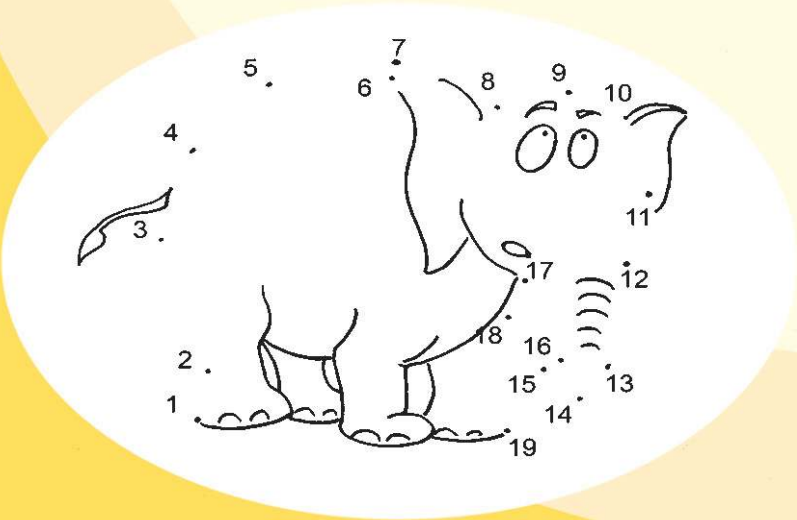
8
13
18
9
11
5



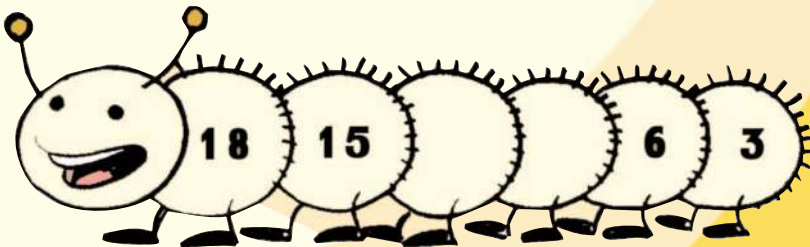
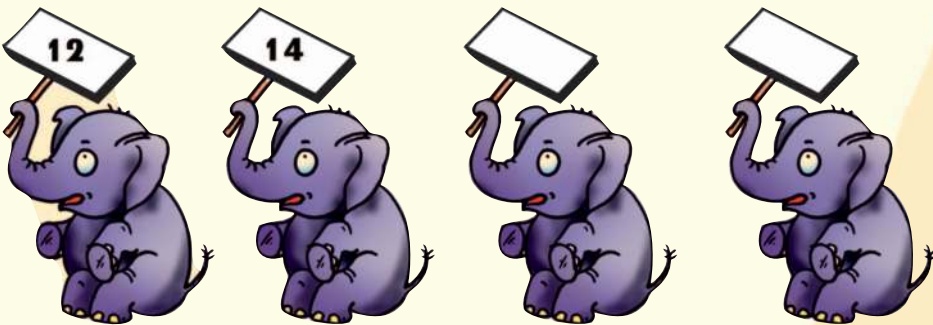
Anu has to make a necklace  
 Count the beads.  
 Tell the number and write it.

		<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"/>

Join the dots in order and see.



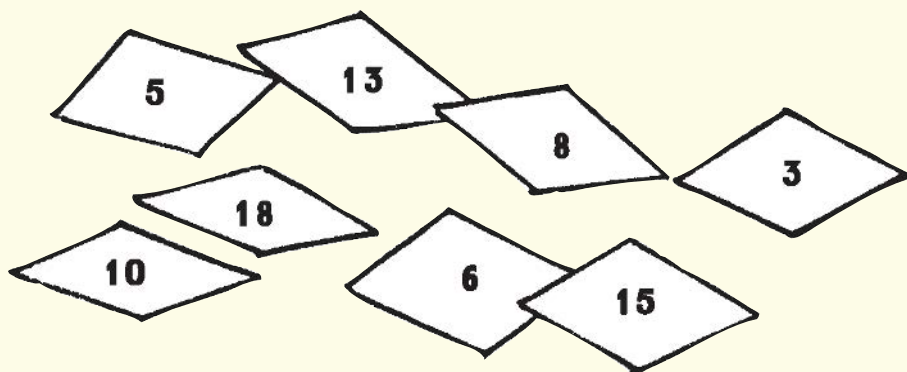
Fill in the blanks





Look at the numbers in the cards.

Write them in order in the boxes.



--	--	--	--	--	--	--	--

