MATHEMATICS

Standard I

Part - I

Government of Kerala
DEPARTMENT OF EDUCATION

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

2016

KT 59-1/Maths 1 (E)Vol-1

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.

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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 aquire them through games, observation and experiments.

With love,

Dr. P. A. Fathima
Director, SCERT

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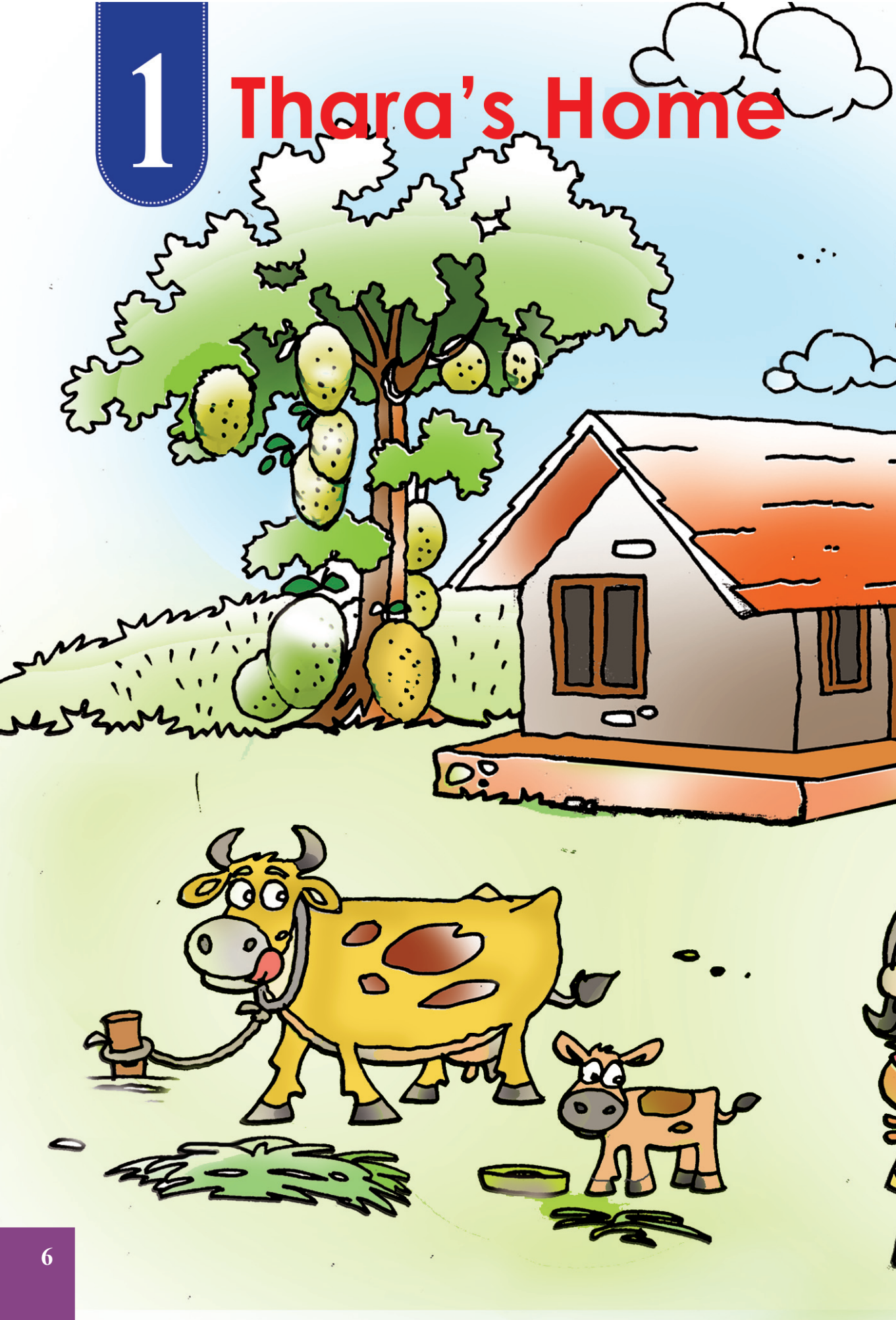
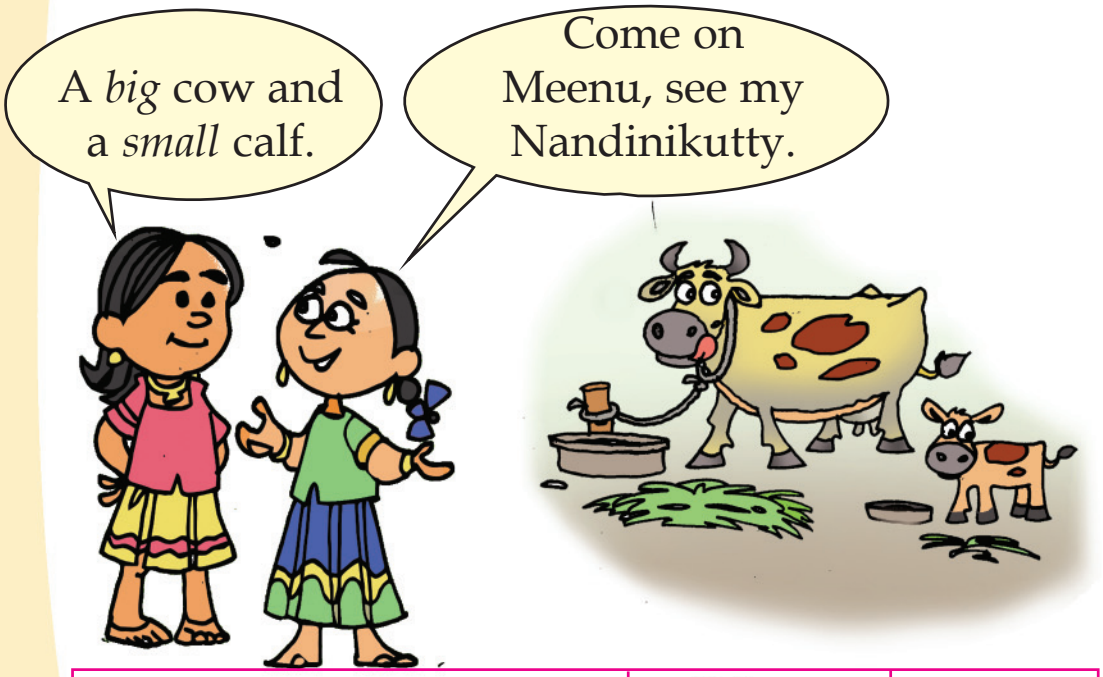
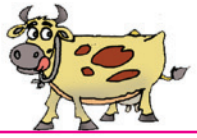
1 Thara's Home

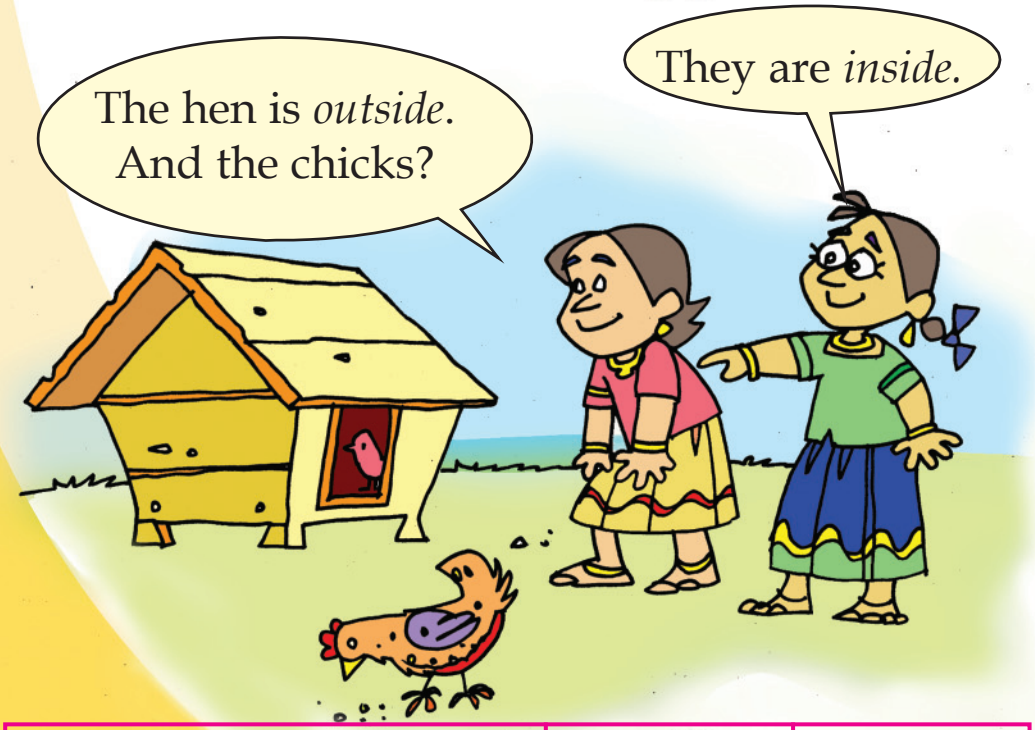


Who do you see in the picture?

Thara came to see Meenu.

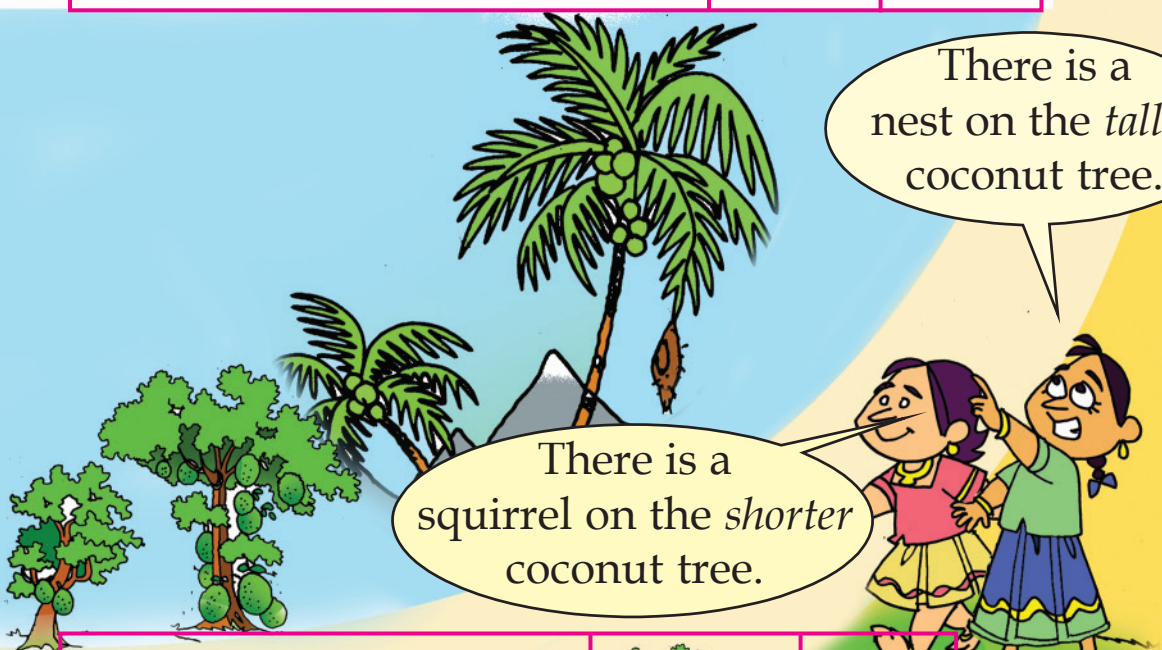


Which is bigger? Put ✓mark.		



Who is inside? Put ✓ mark.		

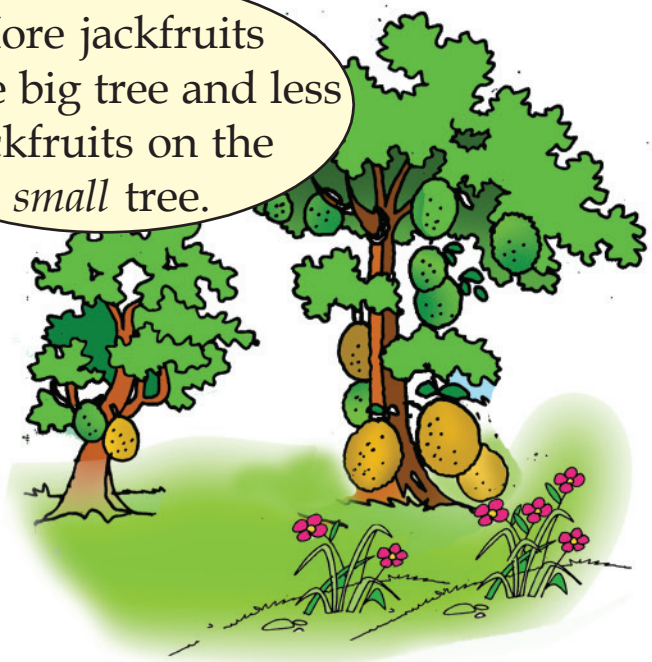
Who is at the bottom? Put ✓ mark.		



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.

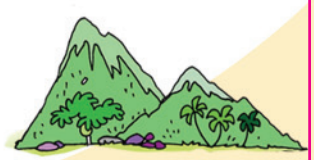
There is spinach at the *right* side and plantains at the *left*.

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

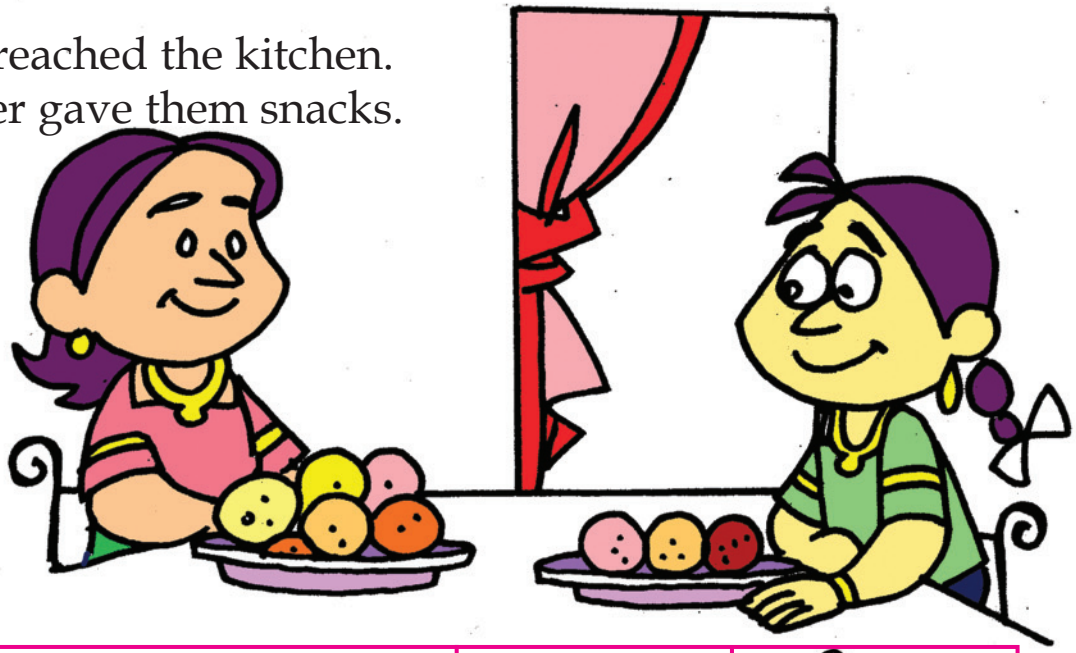
Look at the mountain *far* away.

I want to go *near* it.

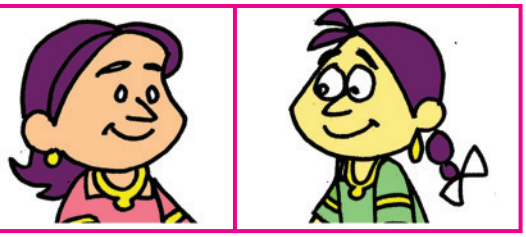
We can do it later. Come on.

Which one is nearer? Put ✓ mark.		

They reached the kitchen.
Mother gave them snacks.



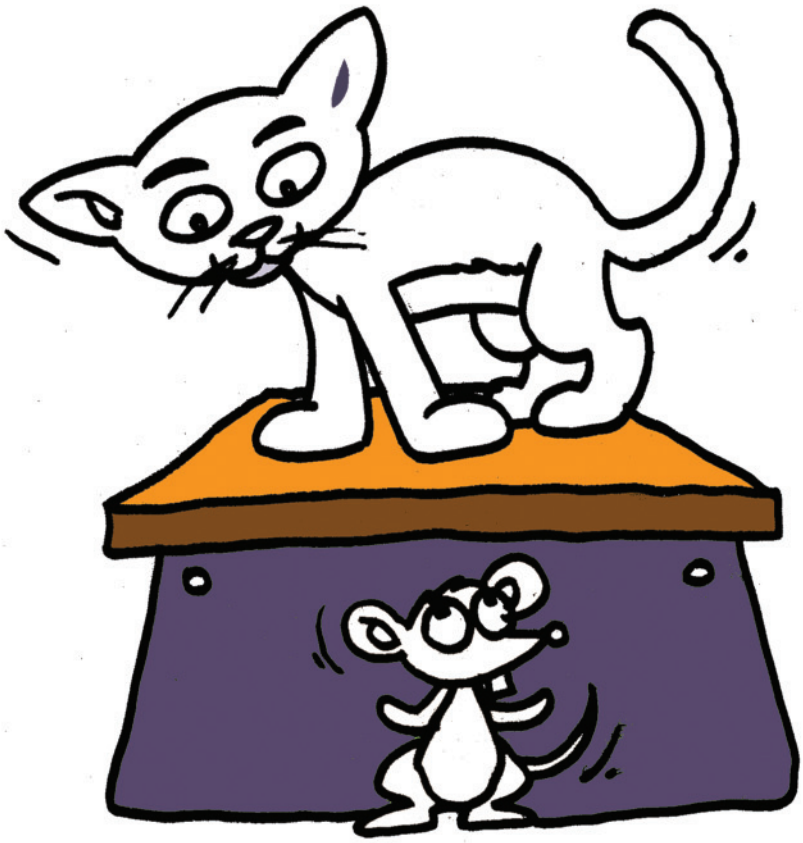
Who has more?
Put ✓ mark.



Wow!
Beautiful
dolls!

These are
my dolls.

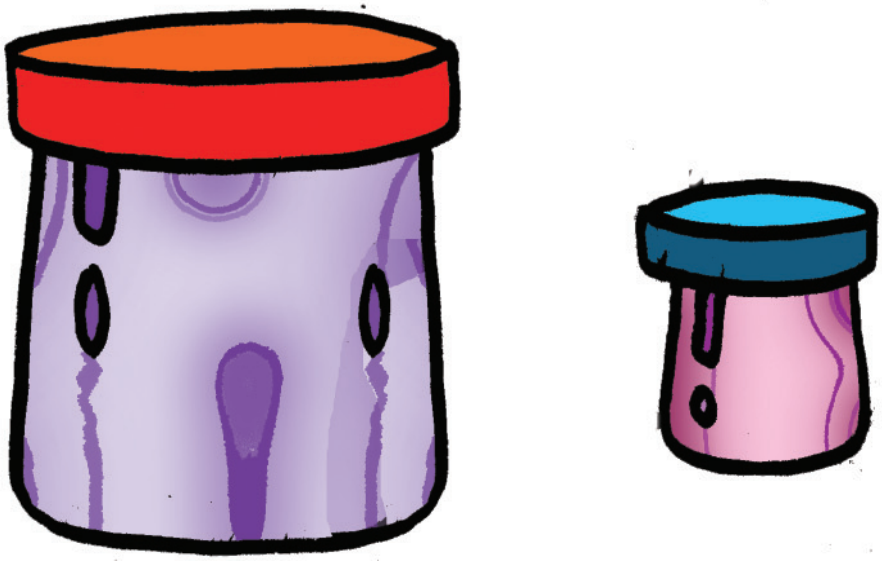
Colour the small doll.



Colour the one on the top of the box.

Colour the cat in front of Thara.

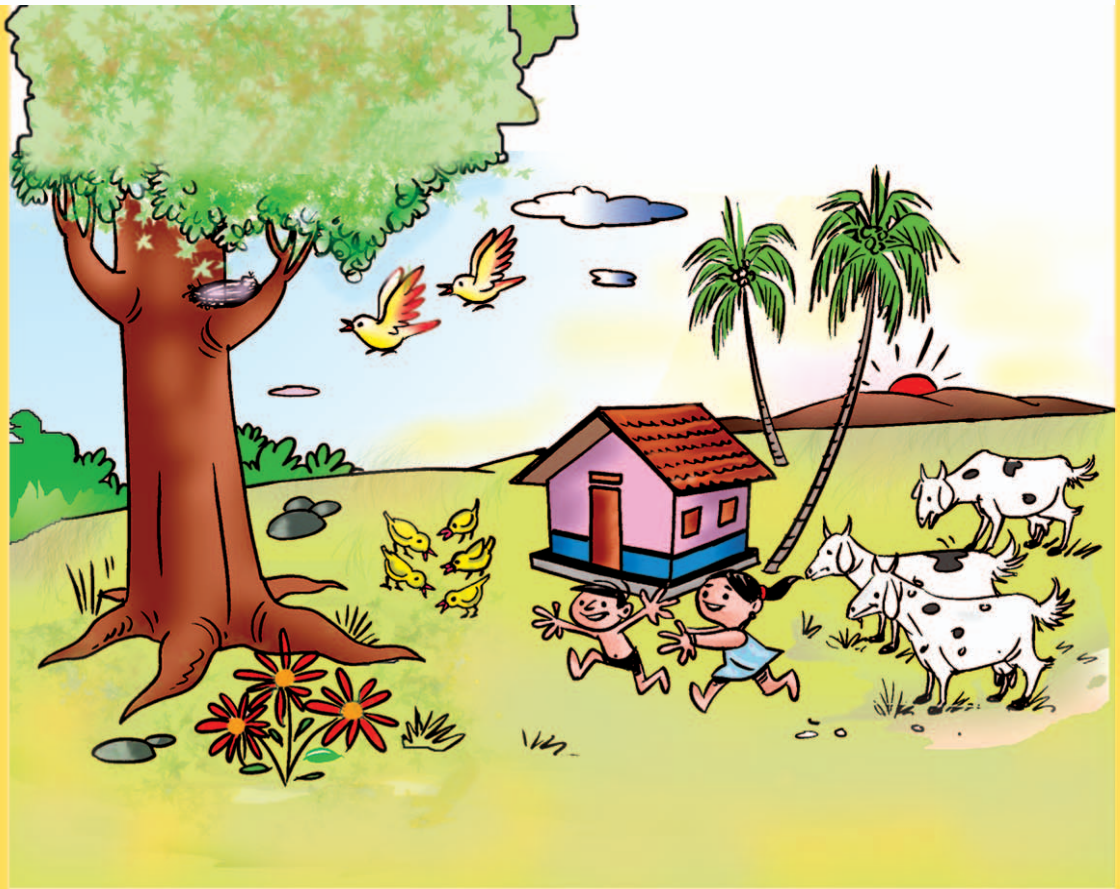
Which is small ? Draw a circle.



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

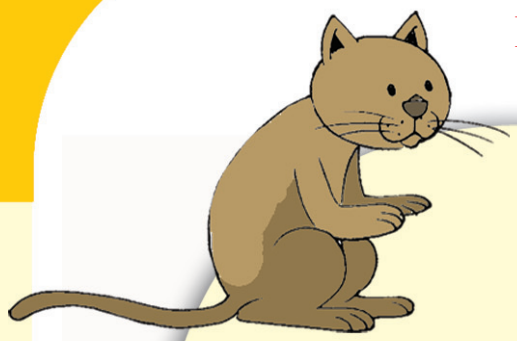


So many groups!

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!

Mother…
Look, five children are down there.
I want two little birds.
Mother, we are scared.
Manu, one for me.
You…!
Aah!
Thud!
Oh!
We are safe.

Let us sing a song



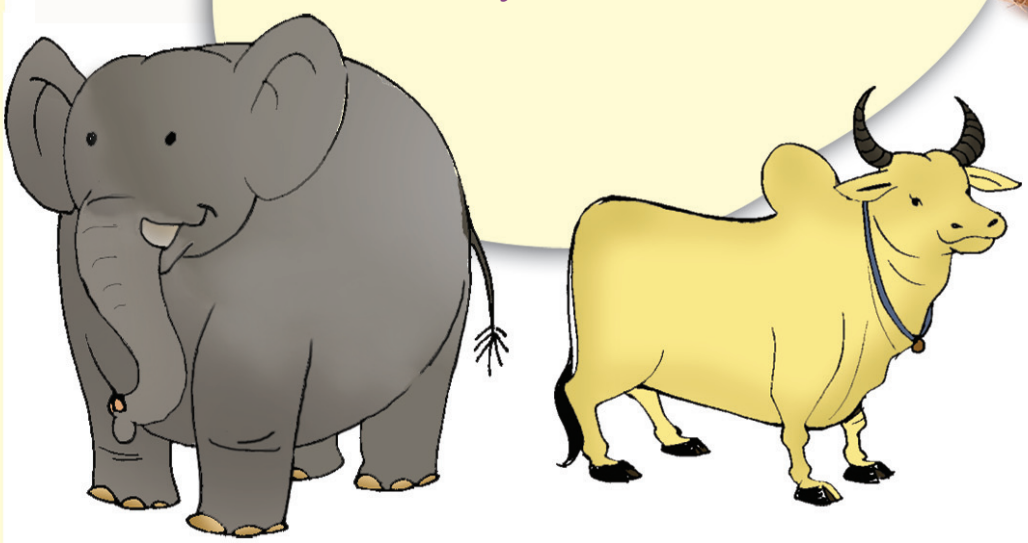
Elephant has one long Trunk
One and only one.

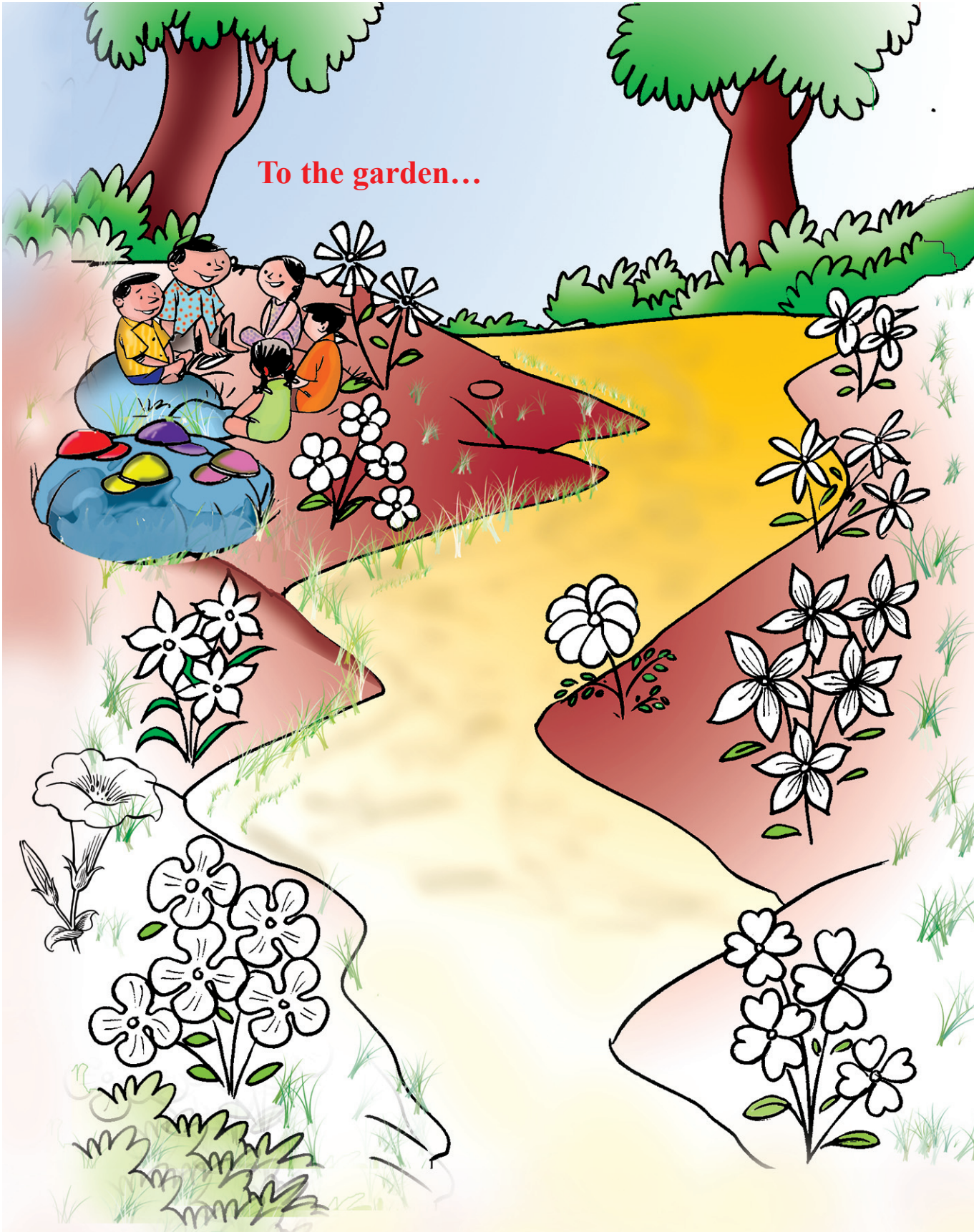
Bull has two long horns
Two and only two.

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.

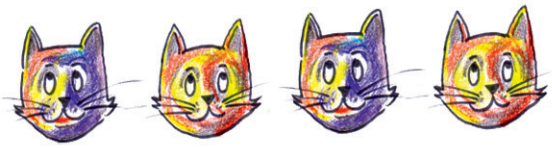




Look at the different plants.
Which plants have the same number of flowers?
Give them the same colour.

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

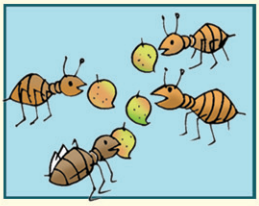
We got two mangoes.

We got five mangoes.

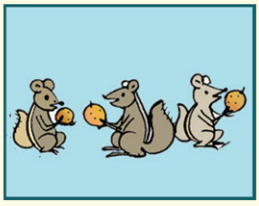
We got three mangoes.

We got four mangoes.

I too got one mango.



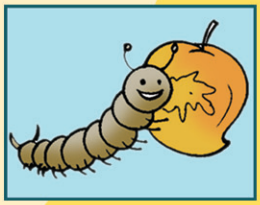
We are four.
We have
4 mangoes.



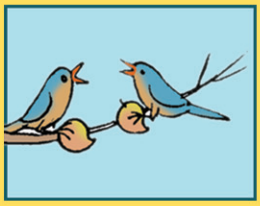
We are three.
We have
3 mangoes.

We are five.
We have
5 mangoes.

I am one.
I have
1 mango.

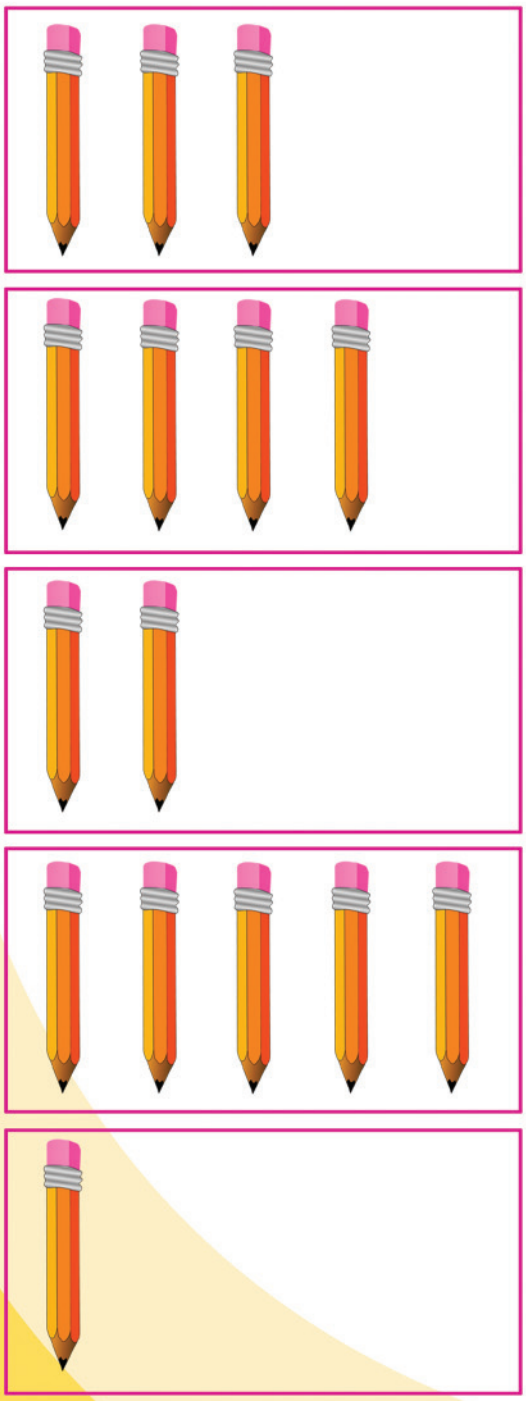


We are two.
We have
2 mangoes.



How many?

Match with numbers



1

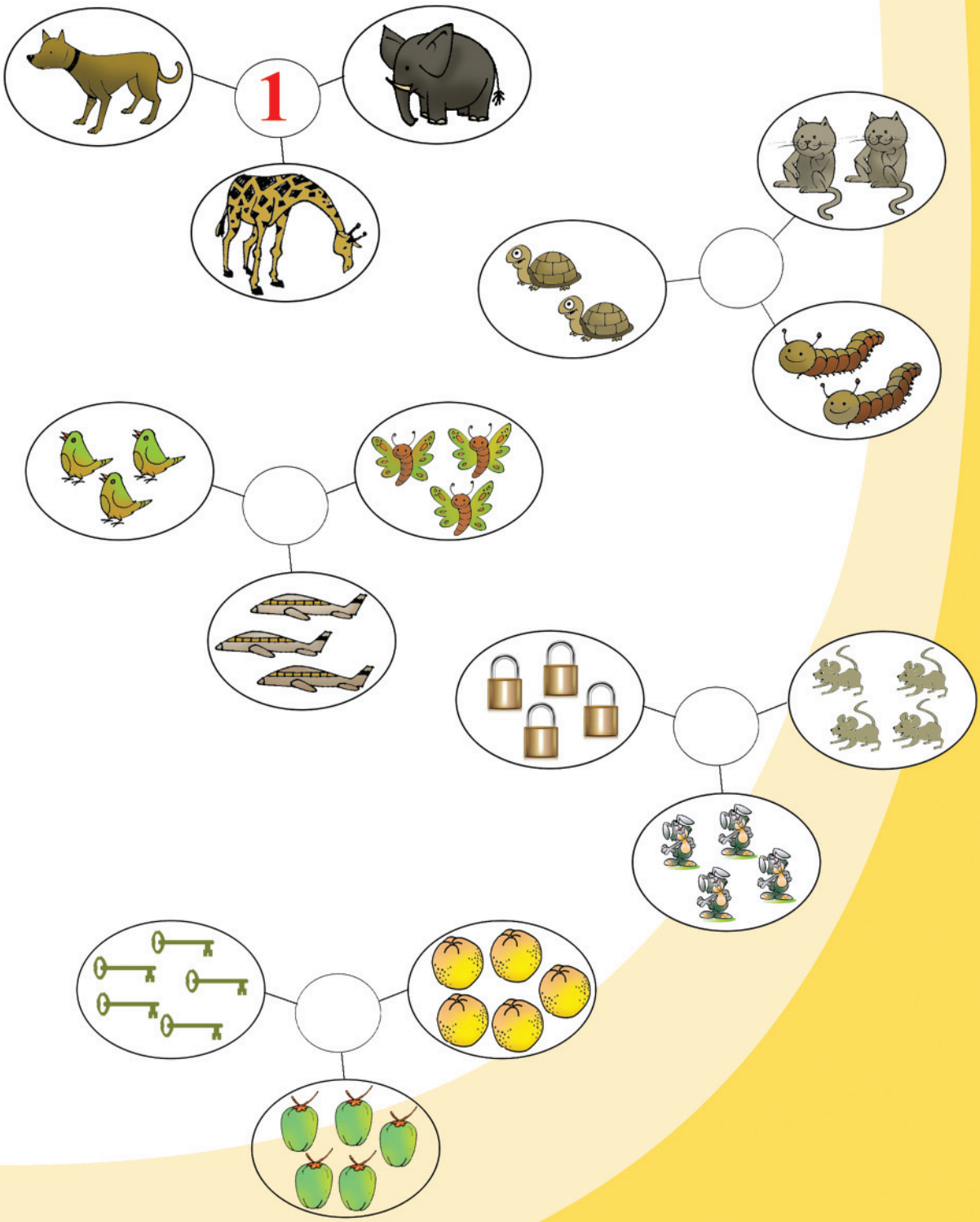
2

3

4

5

Count and write the number

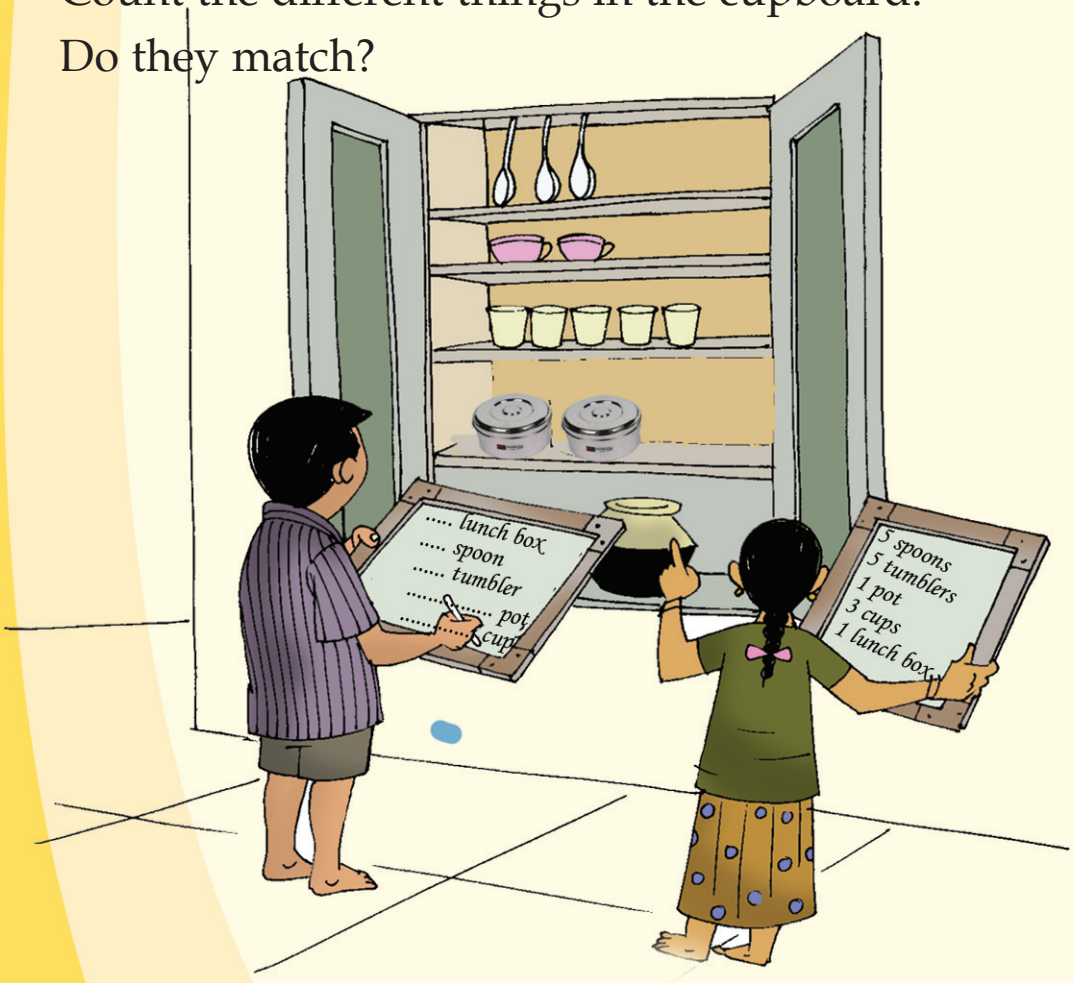


Let us match

Look at the numbers on the slate.

Count the different things in the cupboard.

Do they match?



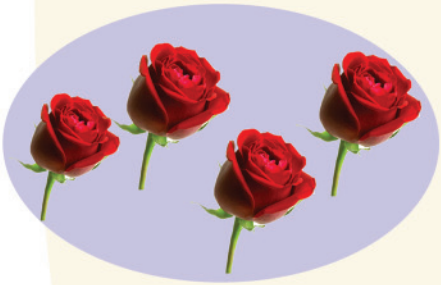
How many are in the cupboard?

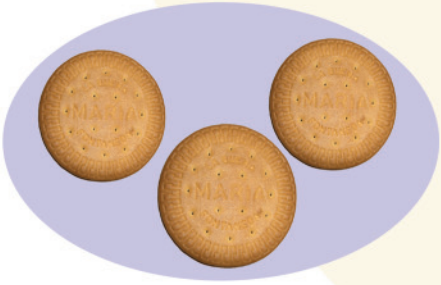
Spoon		Pot	
Tumbler		Cup	
		Lunch box	

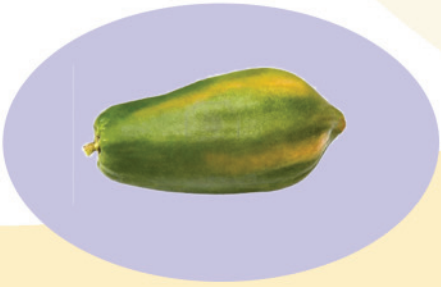
Some are missing.

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

Count and write







3 Manu's Dream

One, two buckle my shoe

Three, four shut the door

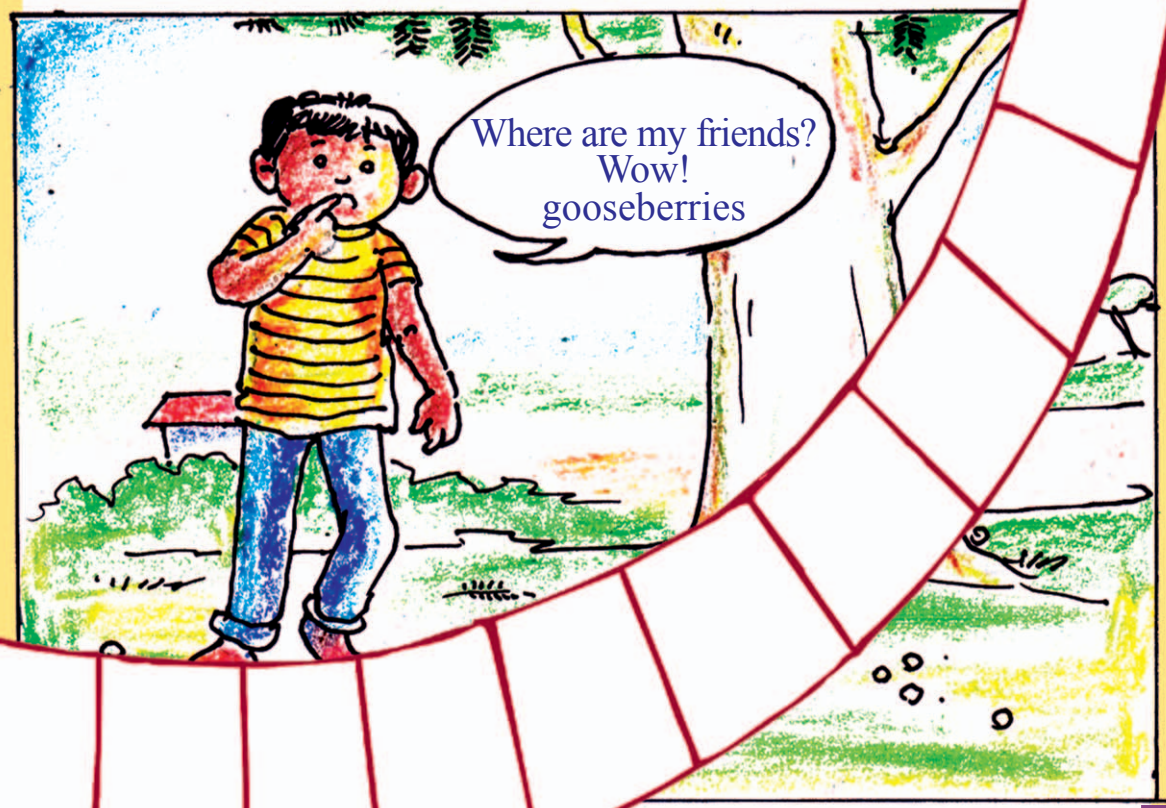
Five, six pick up the sticks

Seven, eight lay them straight

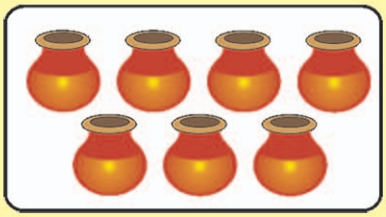
Nine, ten a big fat hen

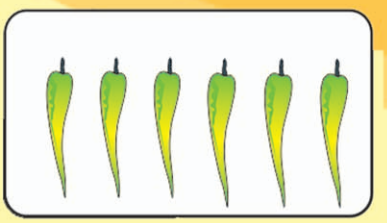
Gooseberries for all!
Six for 6 friends.
Seven
for 7 friends.
8 for them.
They are nine.
So 9 for them.

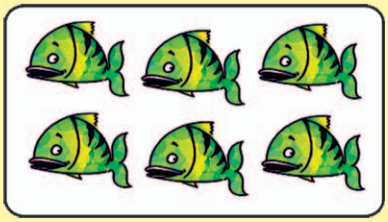
Ah!

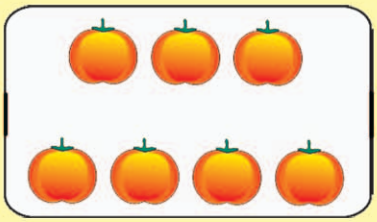

Where are my friends?
Wow!
gooseberries

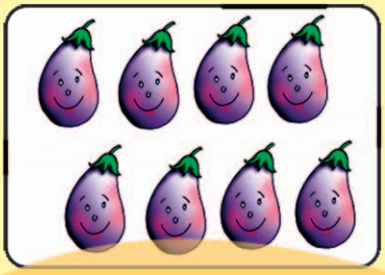
Count and write

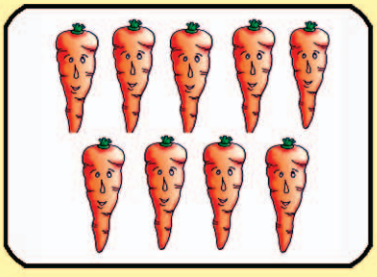




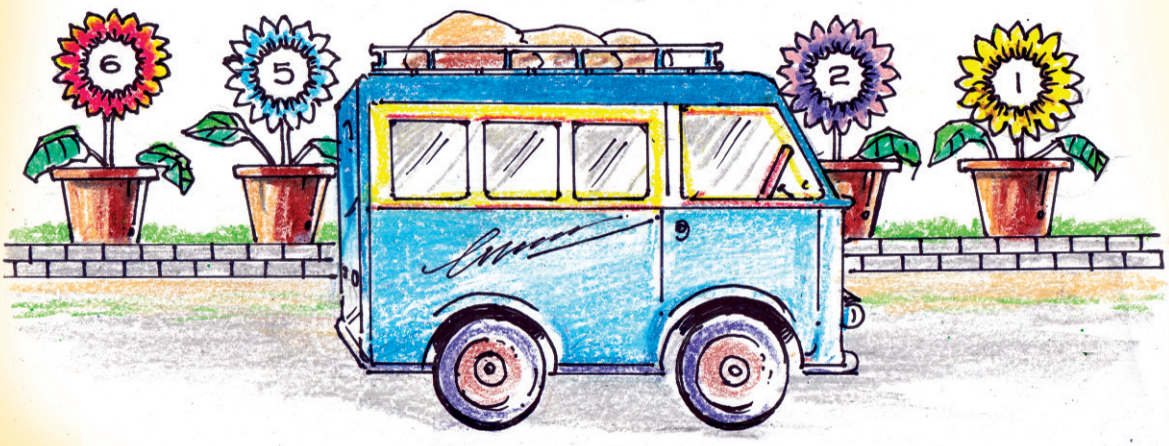




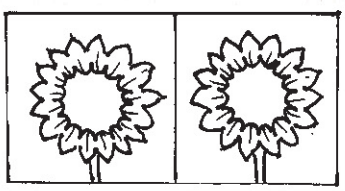




Who are hiding?

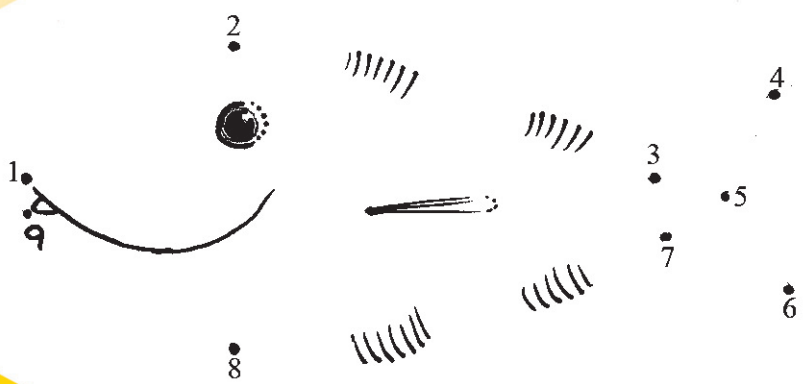


There are two flower pots behind the van.
What are the numbers on them?



Who is hiding?

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



Count and write

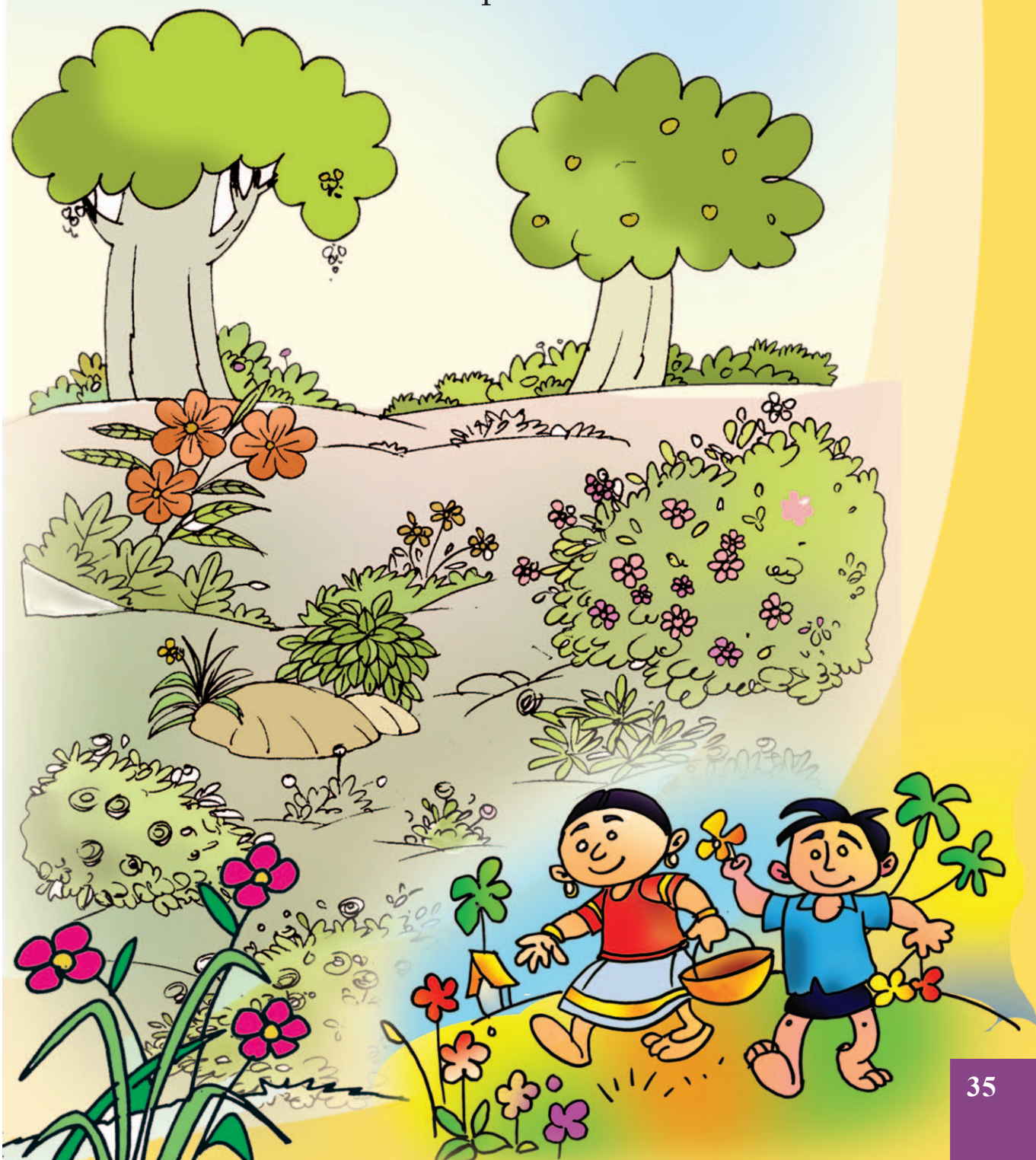
Look at the picture above.
How many of each are in the picture?

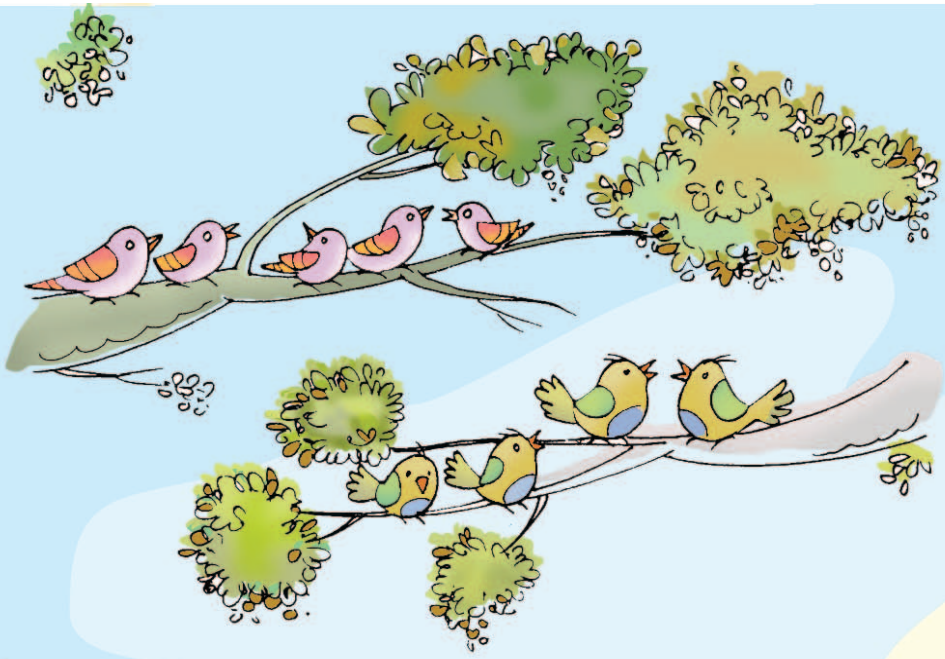
Which is the largest number here?
And the smallest?

4 Let us unite for Onam

It is Onam!

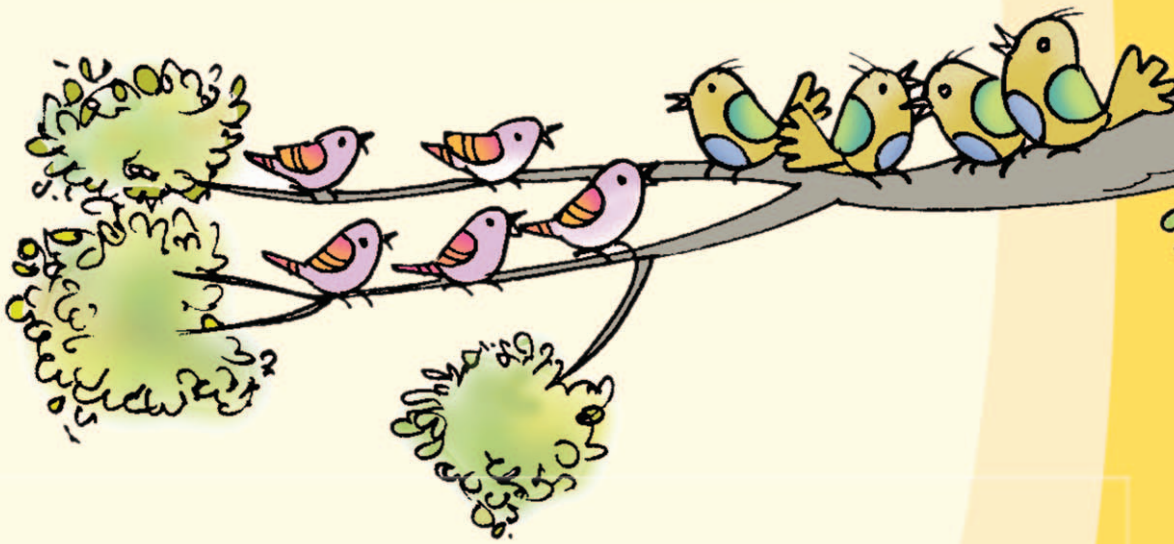
Latha and Sarath went to pluck flowers.





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

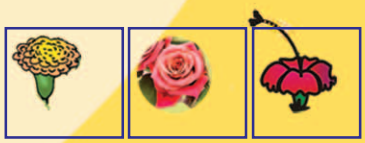
Latha got

☐ Roses ☐ Hibiscus ☐ Marigolds

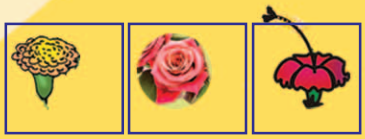
They put them all together.
Now they have,

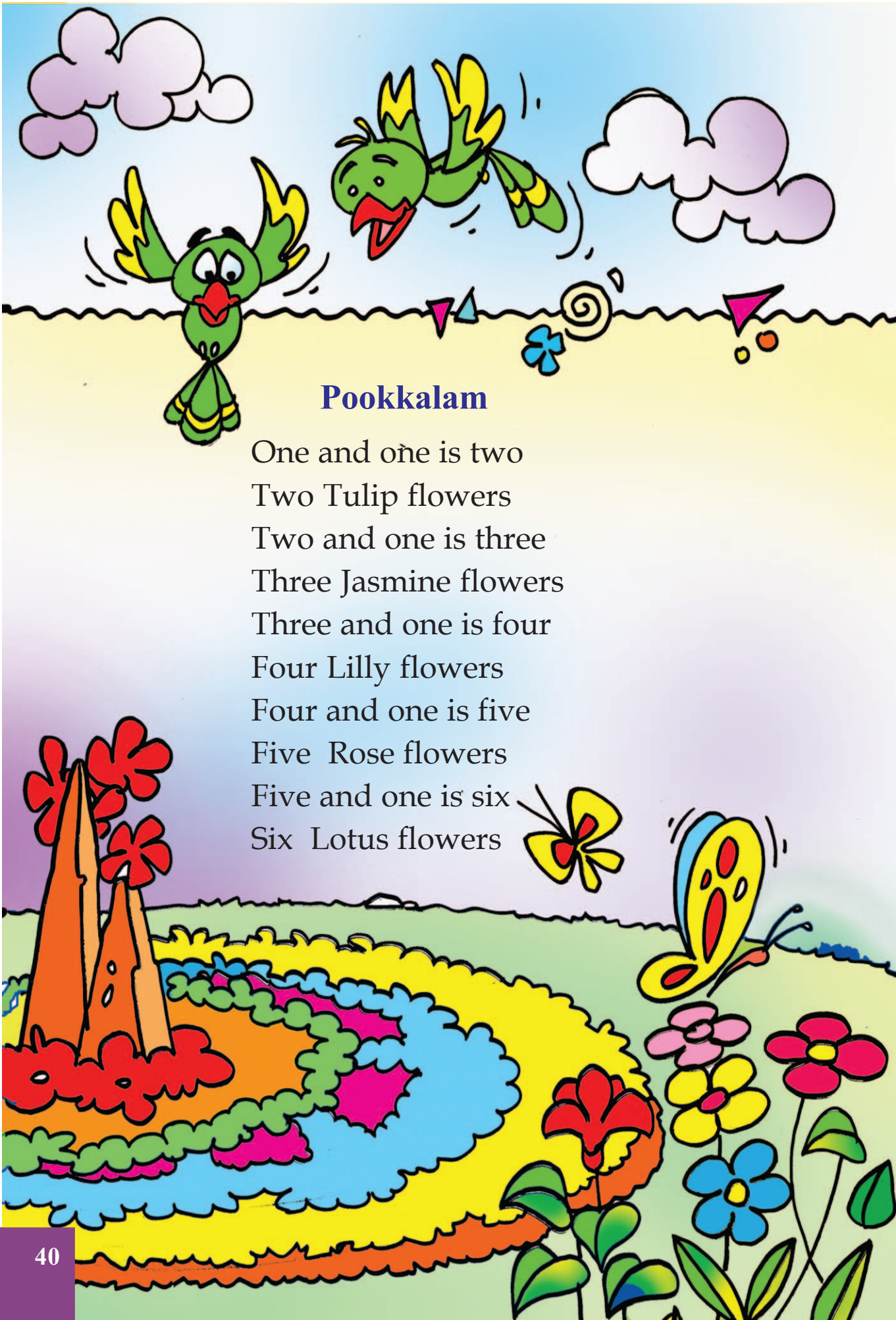
	Sarath	Latha	Total
Rose			
Hibiscus			
Marigold			

The most number of flowers.
Put ✓mark.



The least number of flowers.
Put ✓mark.



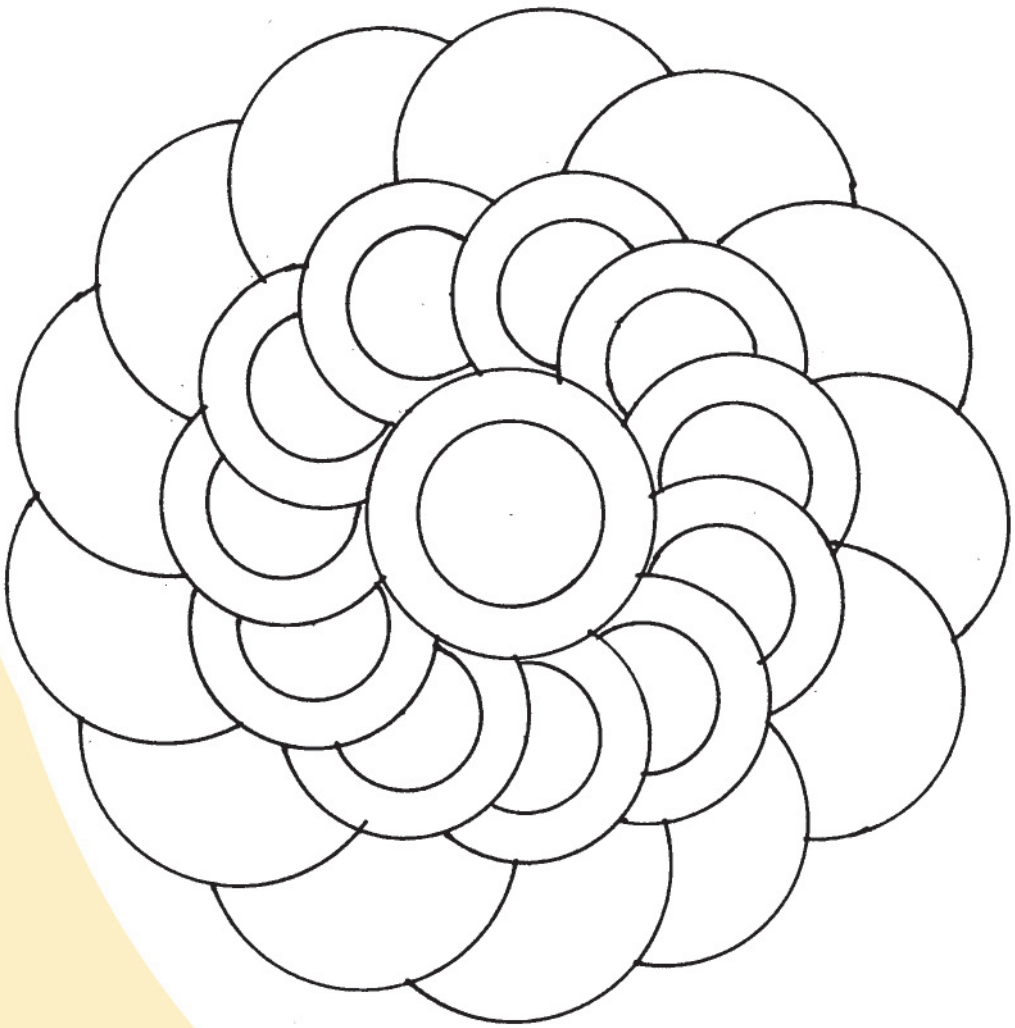


Pookkalam

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



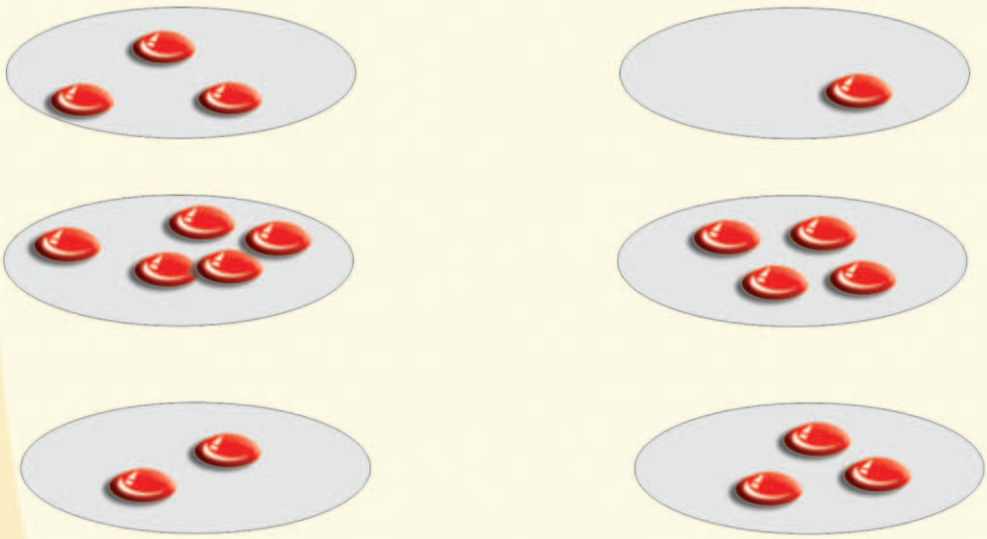
When friends came together

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.

3	+	3	=			
	+		=			
	+		=			

How many ways!

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

3 + 4 = 7

_ + _ = 7

_ + _ = 7

_ + _ = 5

_ + _ = 5

_ + _ = 5

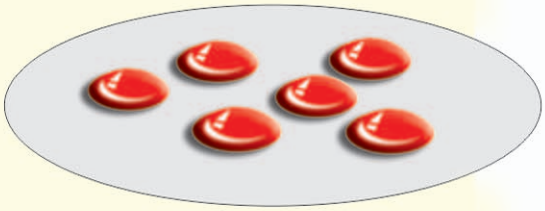
_ + _ = 9

_ + _ = 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?

$4 + 3 =$ 7

$2 + 2 =$

$5 + 1 =$

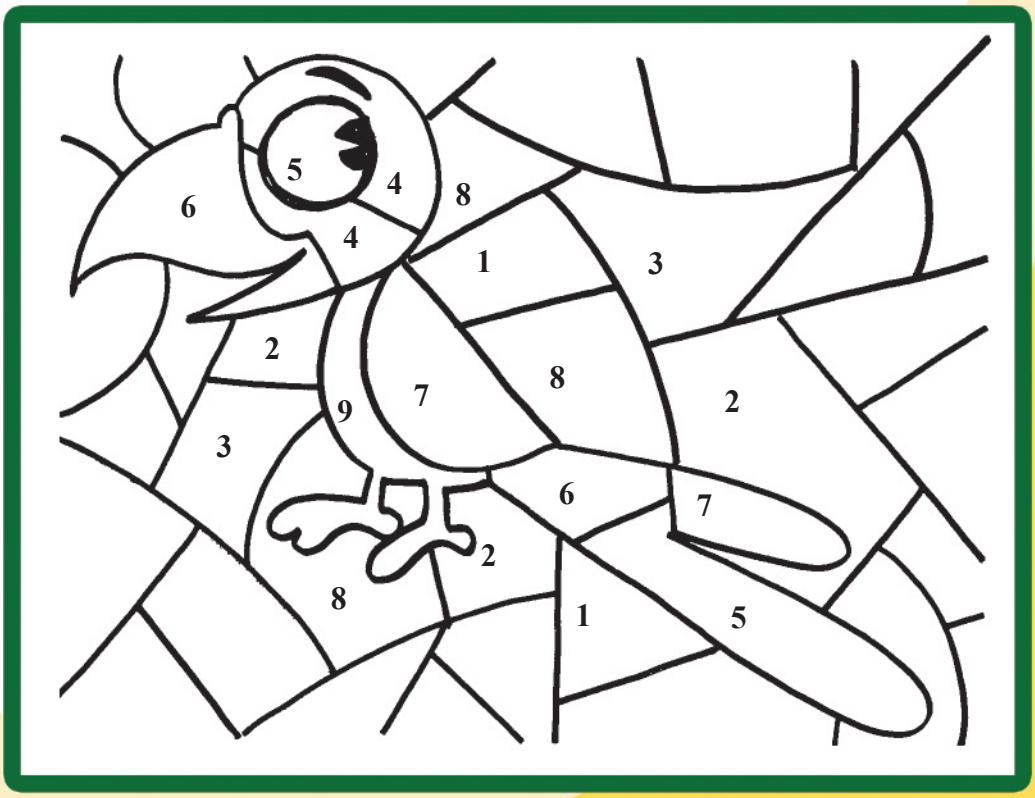
$3 + 1 =$

$4 + 1 =$

$2 + 4 =$

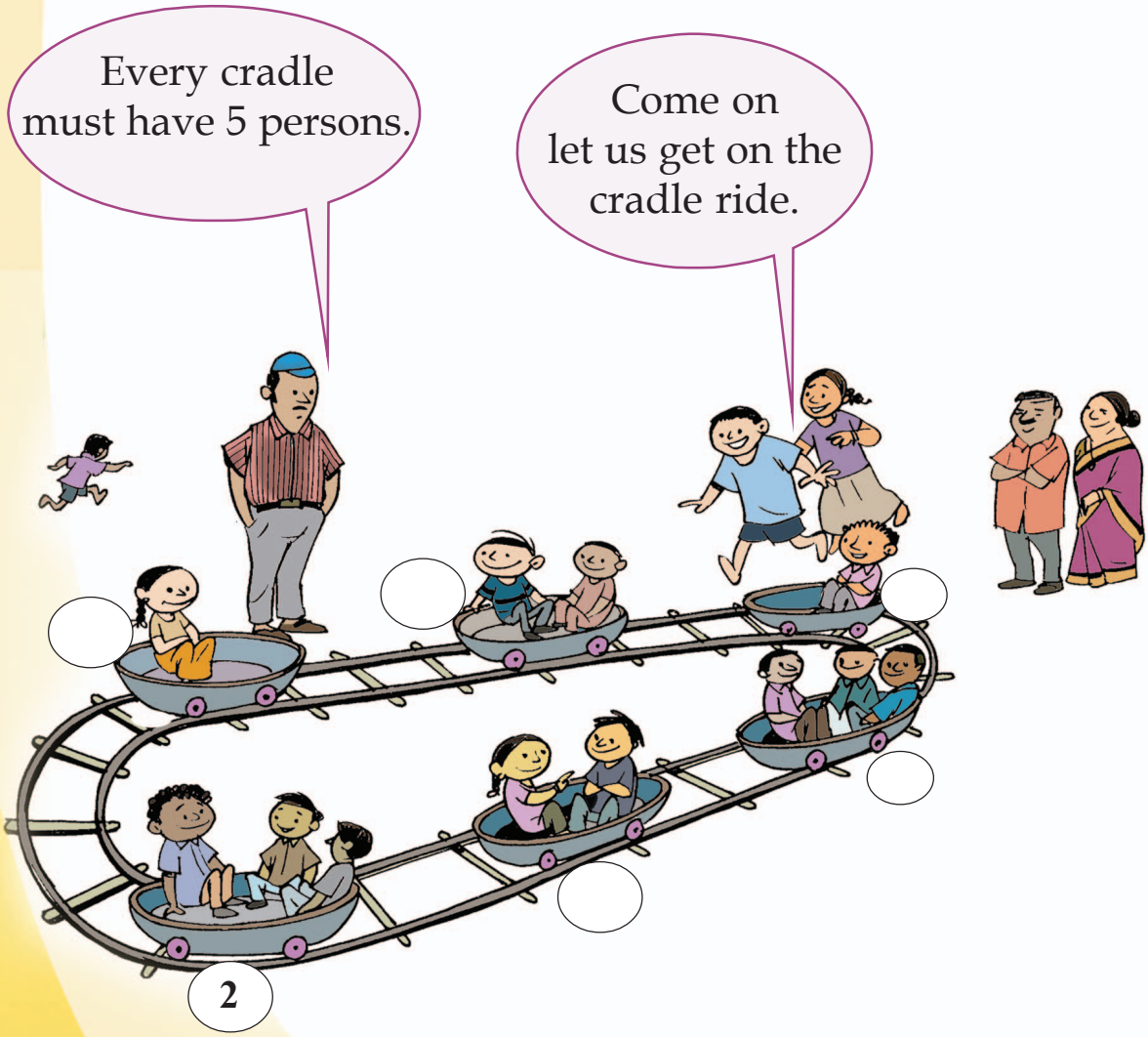
Can you see the answers in the picture?

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.

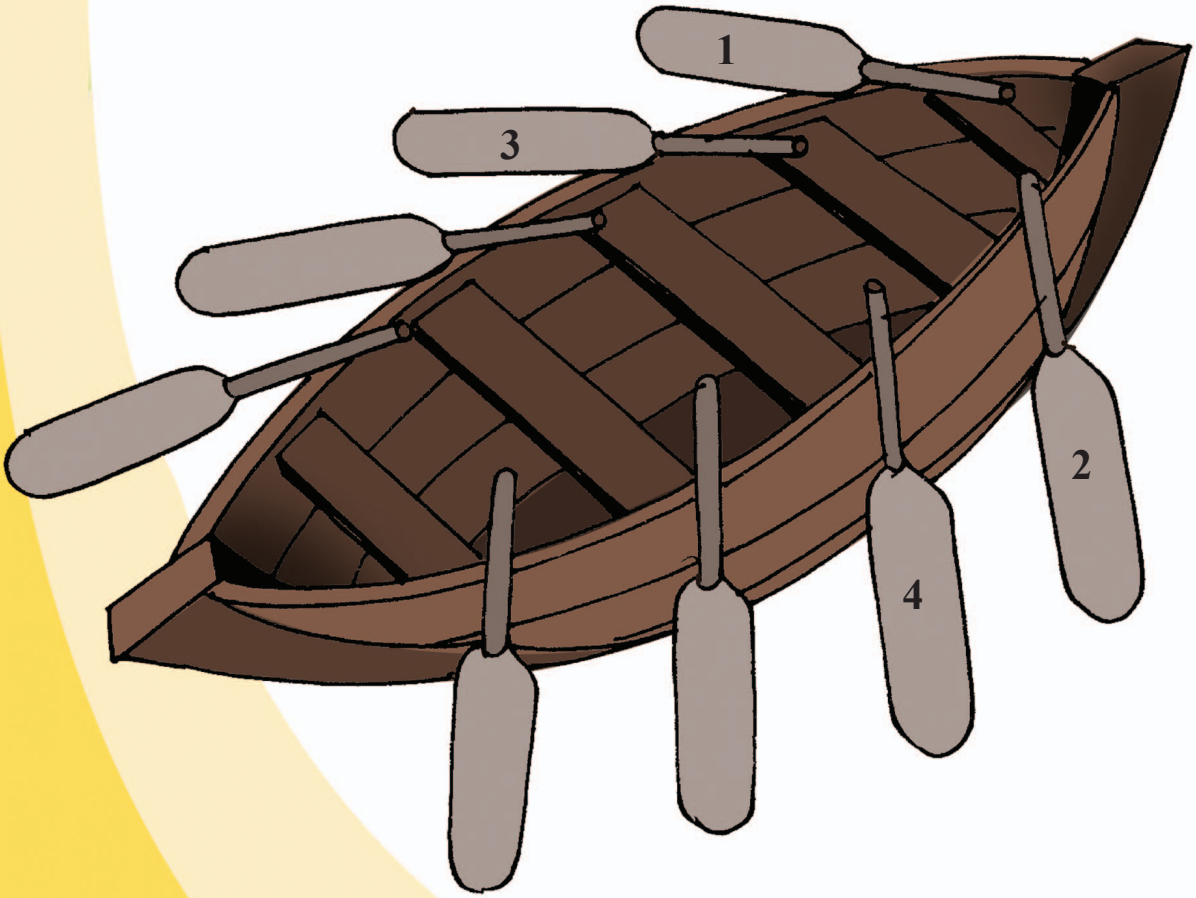
In the ferry

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.



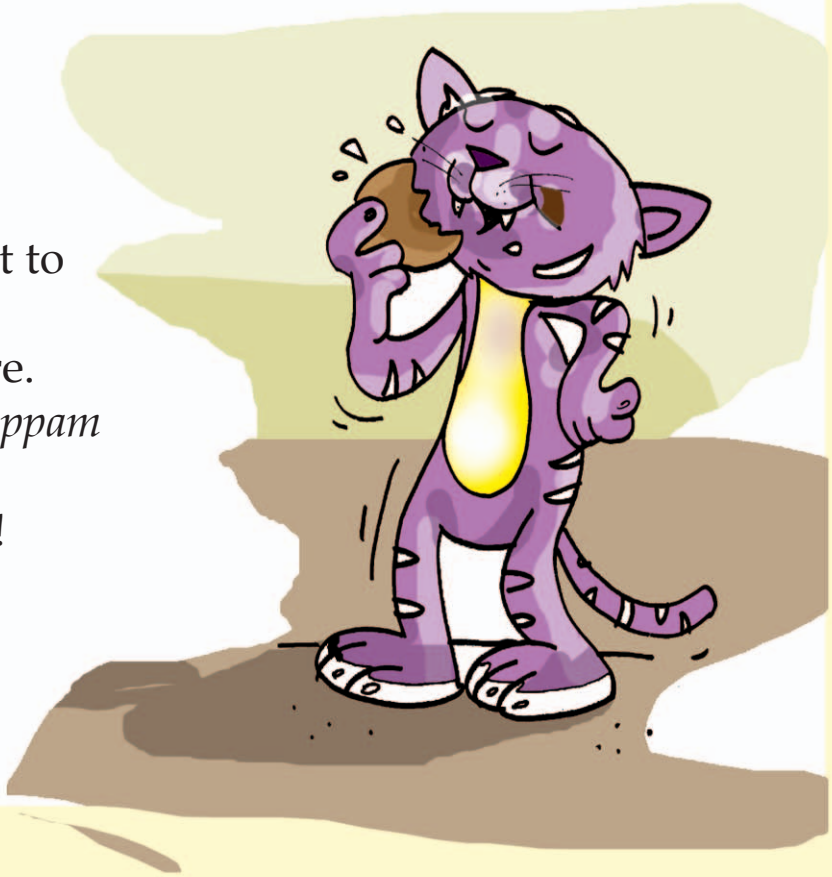
Grandma and Chinnu Cat

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.

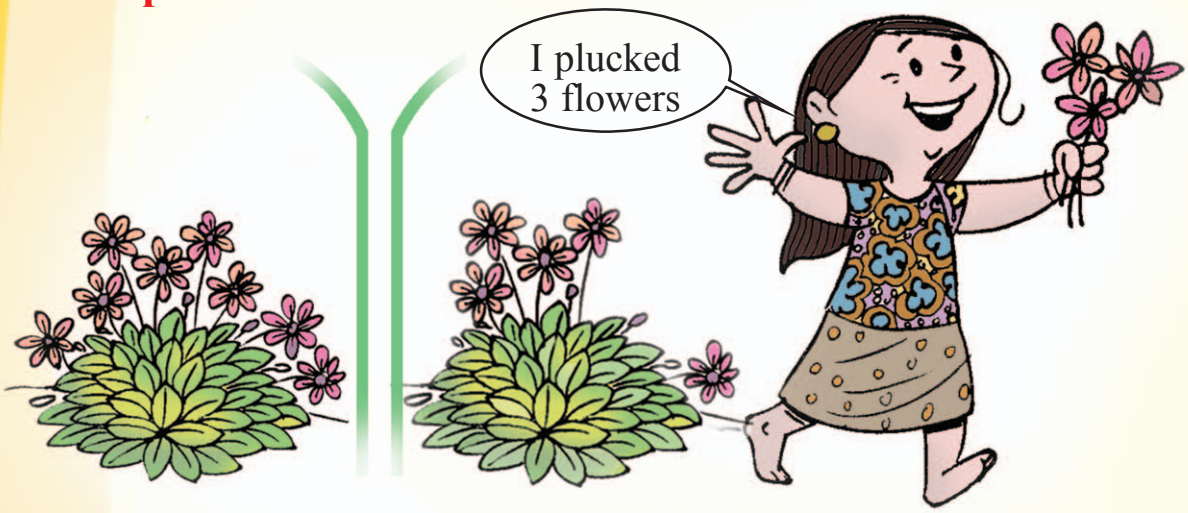
Grandma came back.
And looked at the plate….

Neyyappams Grandma made. ☐

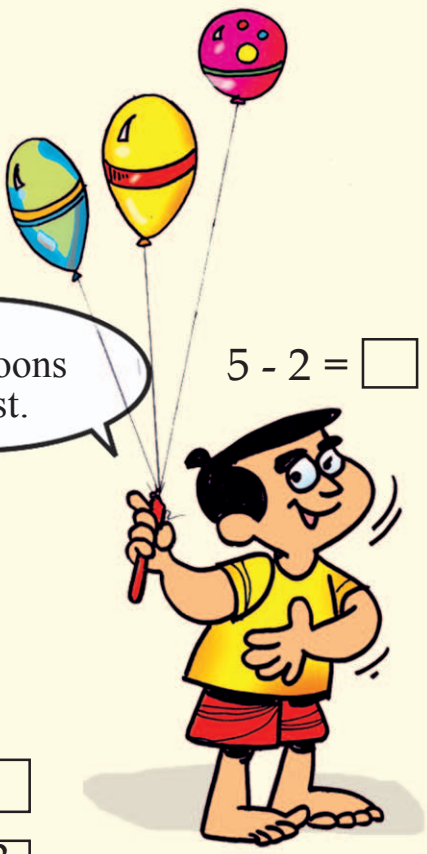
Neyyappams Chinnu ate. ☐

Neyyappams left on the plate. ☐

Fill up the boxes

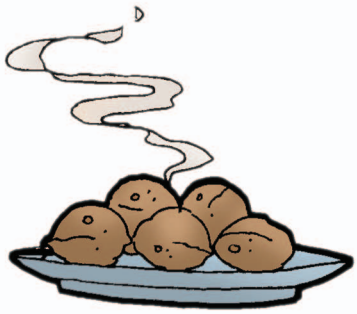


8 - 3 = ☐



5 - 2 = ☐

7	-	2	=	☐
5	-	☐	=	3
9	-	☐	=	8



Unniyappam

Mother made five *Unniyappams* 5
Ammu ate one

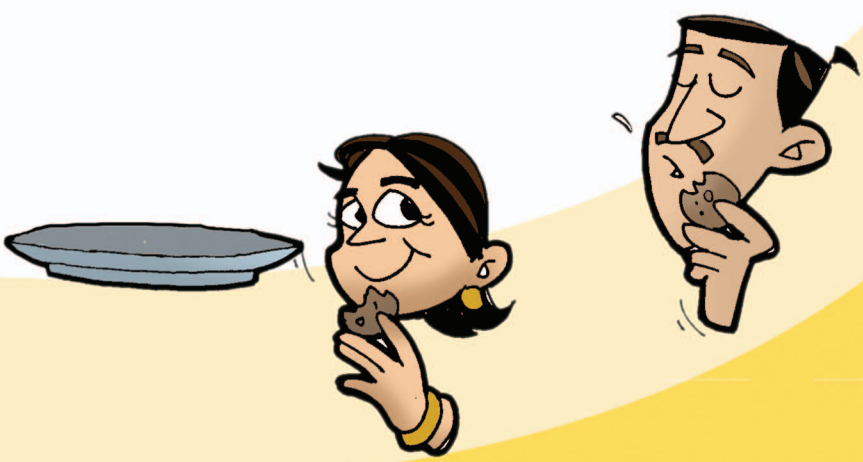
How many are left?
Appu ate one

How many are left?
Father ate one

How many are left?
Grandma ate one

How many are left?
Mother ate one

Nothing is left 0
Number left is zero



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 ☐☐☐☐☐☐

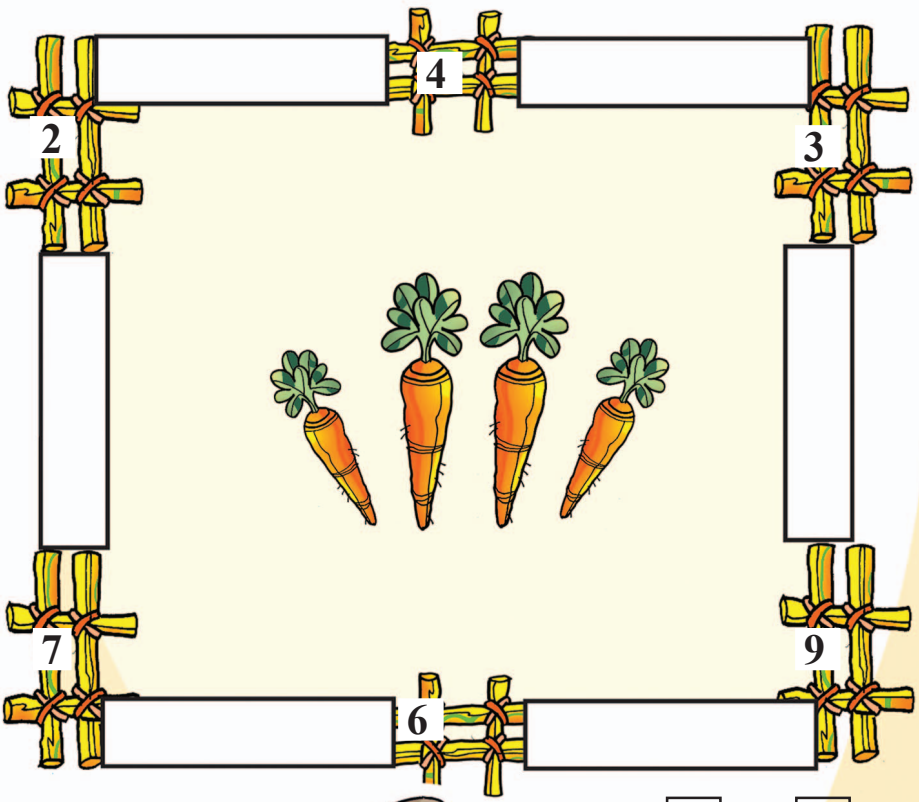
Right hand ☐☐☐☐☐☐

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:



8	-	4	=		7	+	2	=	
6	+	3	=		2	+	4	=	
6	-	3	=		5	–	3	=	

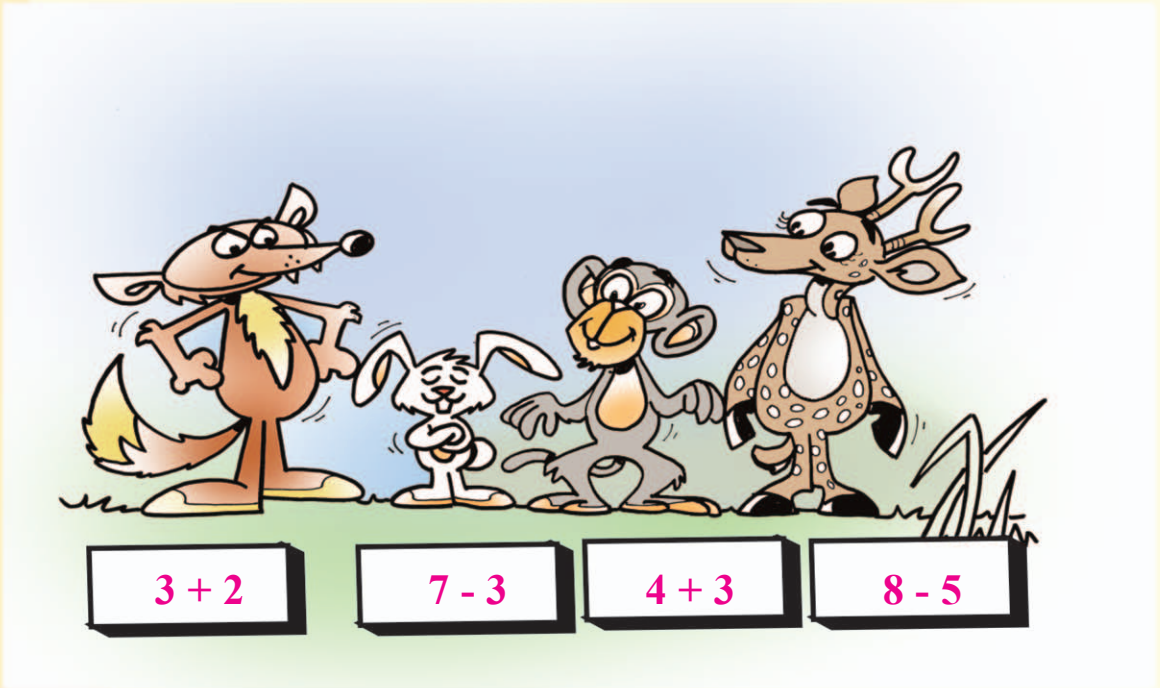
Look at the answers.

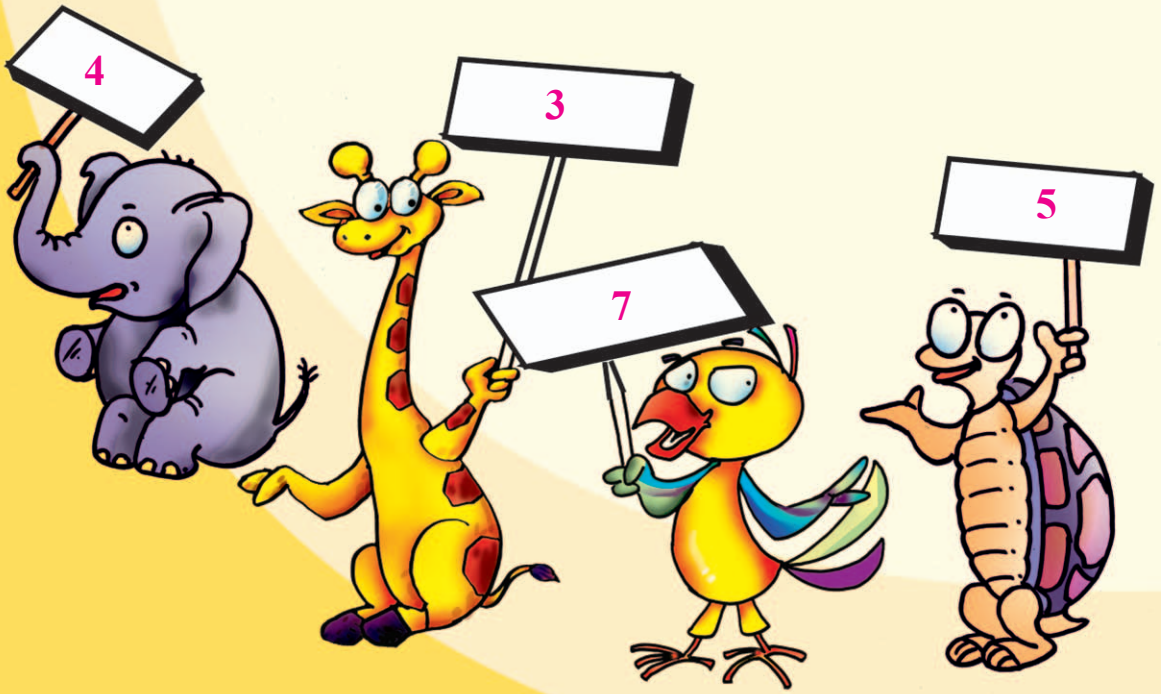
The number on one gate is not among the answers.

Bunny can open it.

Find the friends

Match the problems and the answers.





5 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? ☐

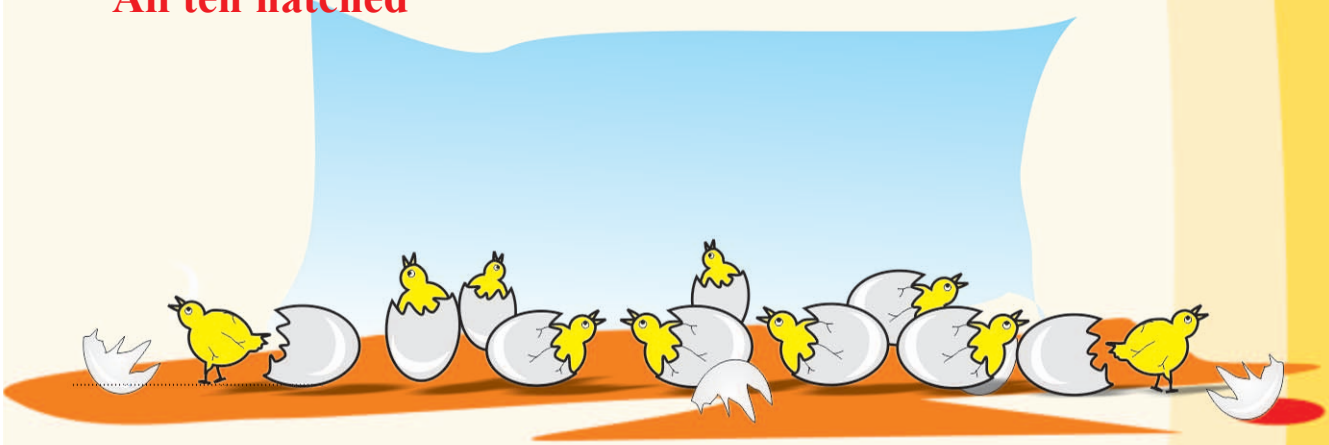
How many fish in the pond? ☐

How many houses? ☐

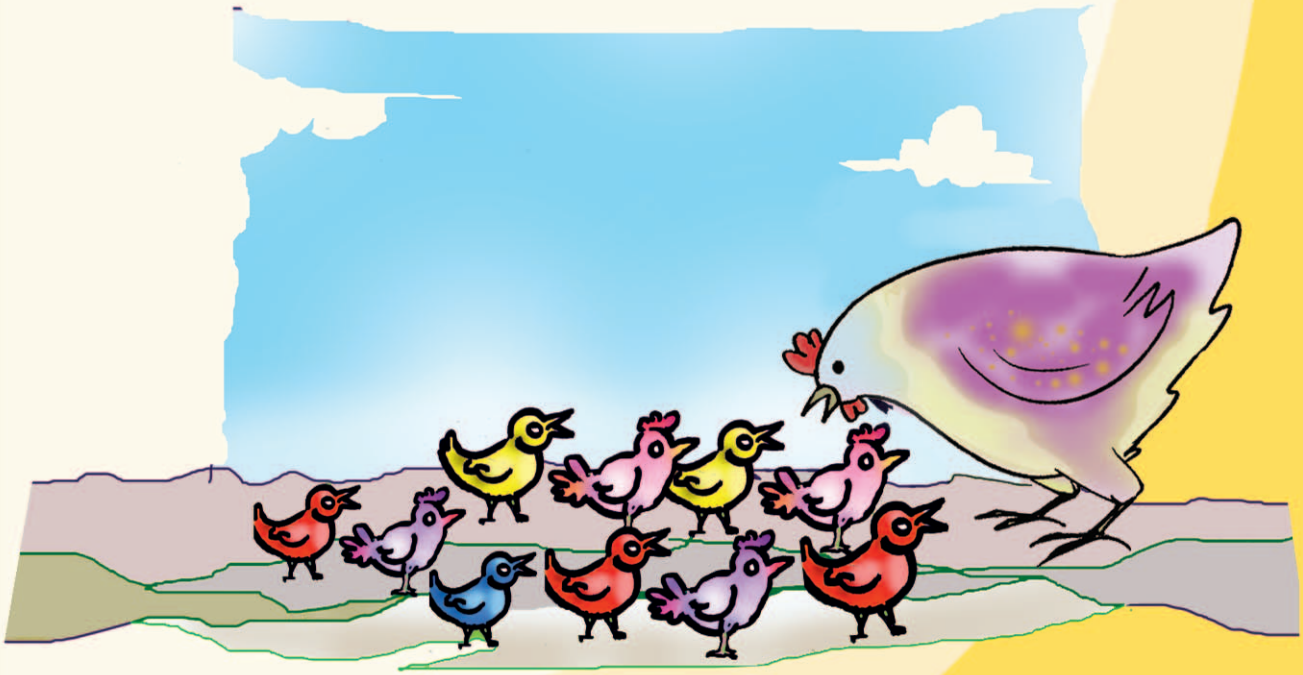
The chicks and the hen

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.

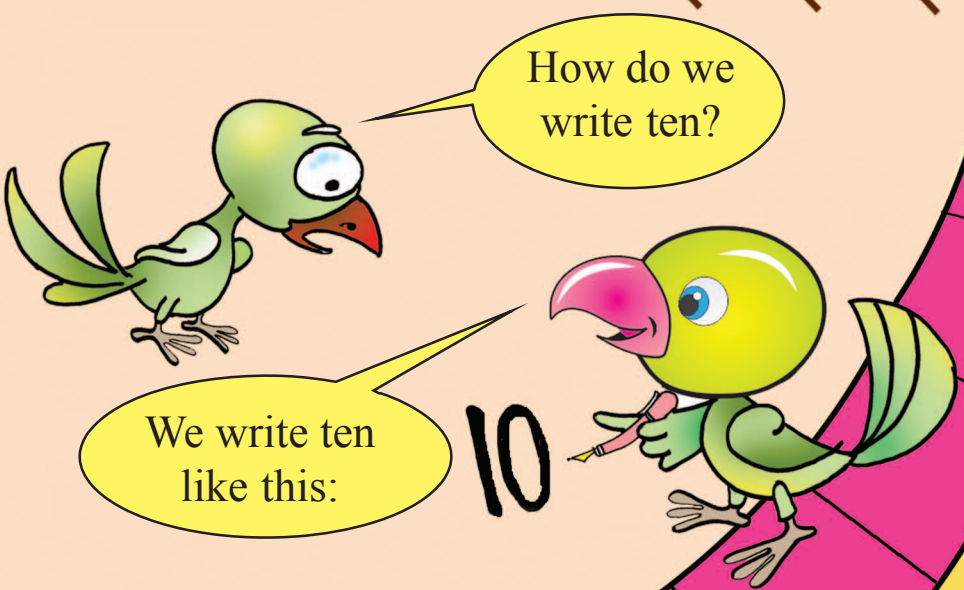
Vinu tied them together.

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.



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.

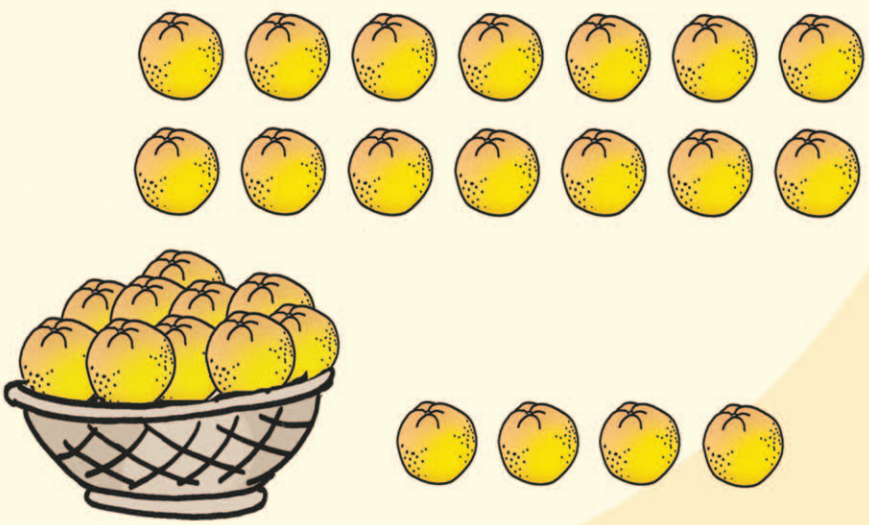
Anu		Vinu		
6	+		=	10
	+	7	=	10
	+		=	10
	+		=	10
	+		=	10

How many pencils?

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

We can write twelve like this : 12

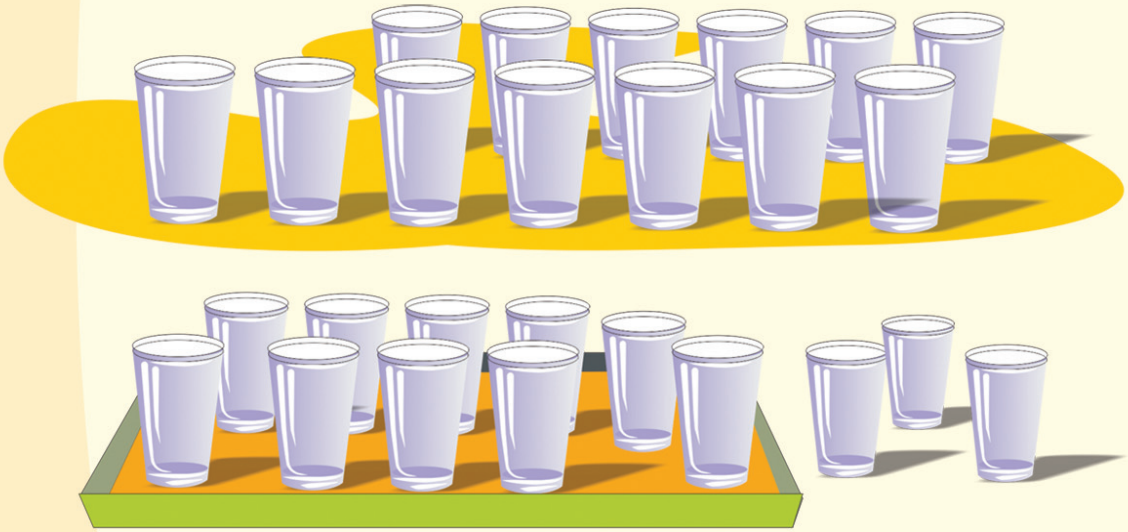
Let's count



Ten and four make fourteen

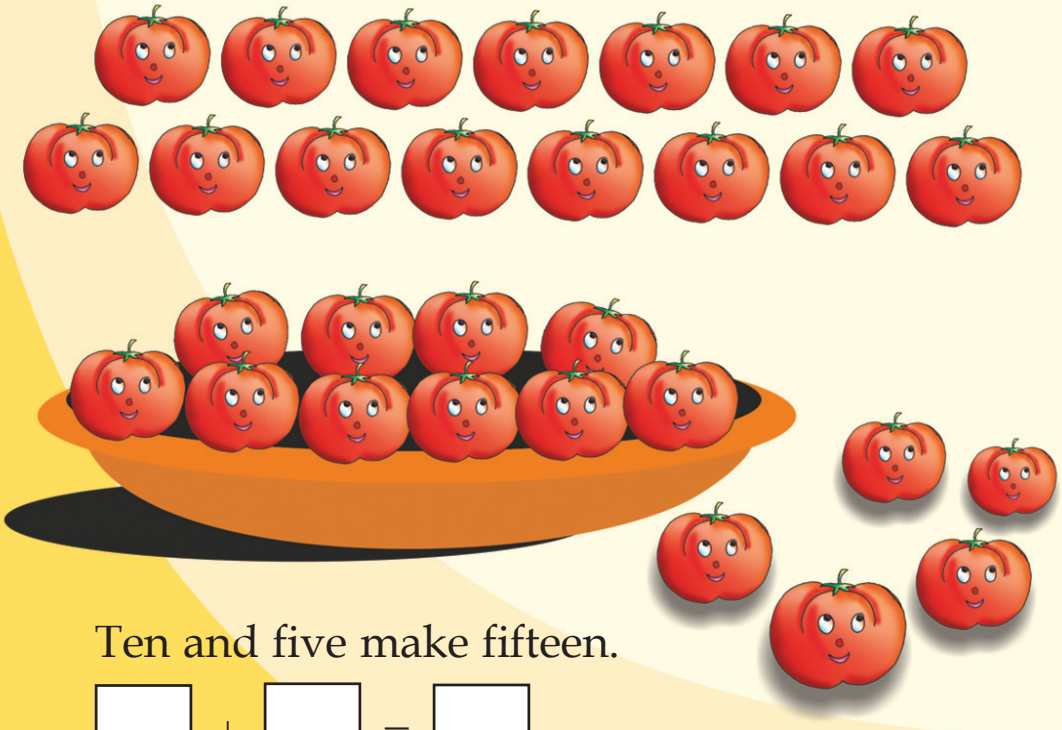
10 + 4 = 14

Fill in the blanks



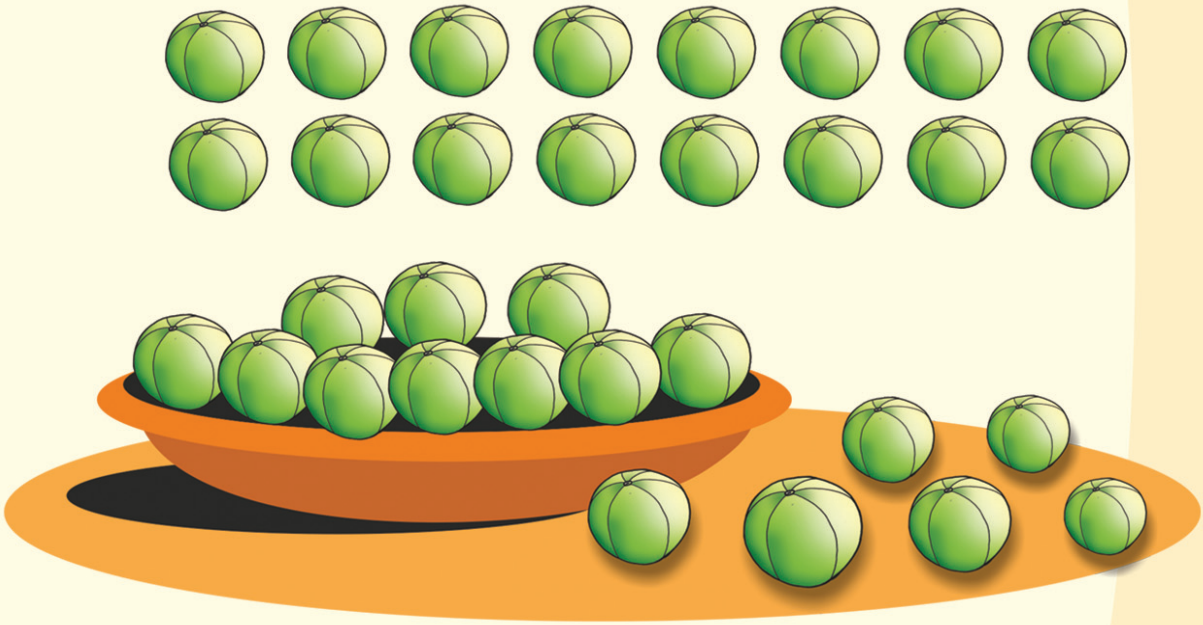
Ten and three make thirteen.

10 + ☐ = 13



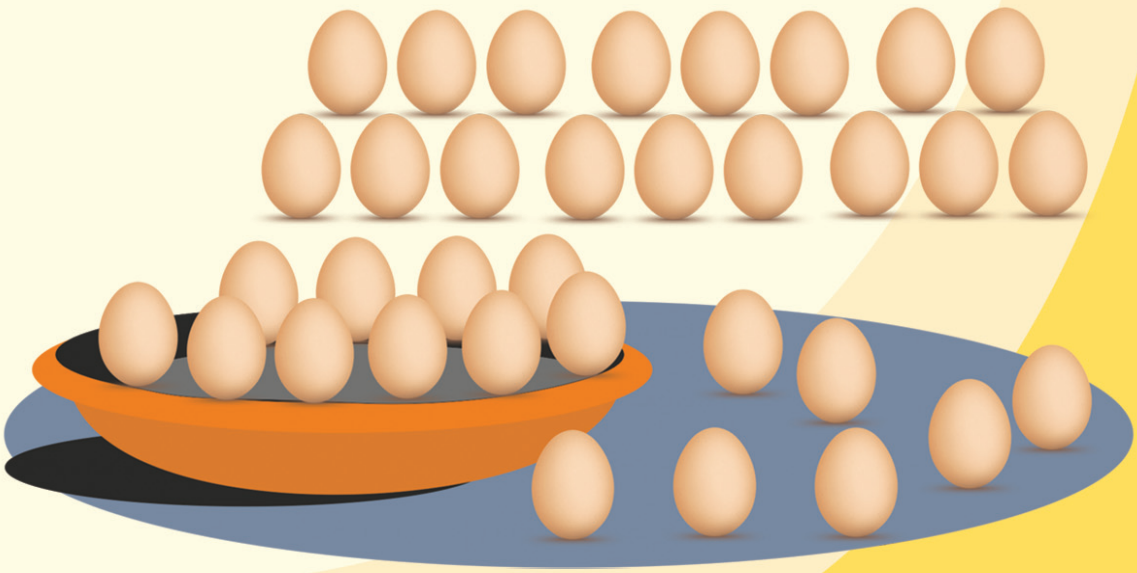
Ten and five make fifteen.

☐ + ☐ = ☐



Ten and six make sixteen.

$\square + \square = 16$

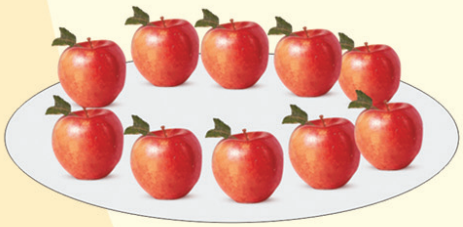


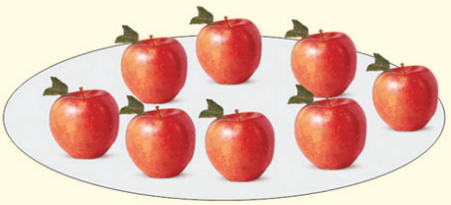
Ten and seven make seventeen.

$\square + \square = 17$

Ten and nine make nineteen.

$\square + \square = 19$





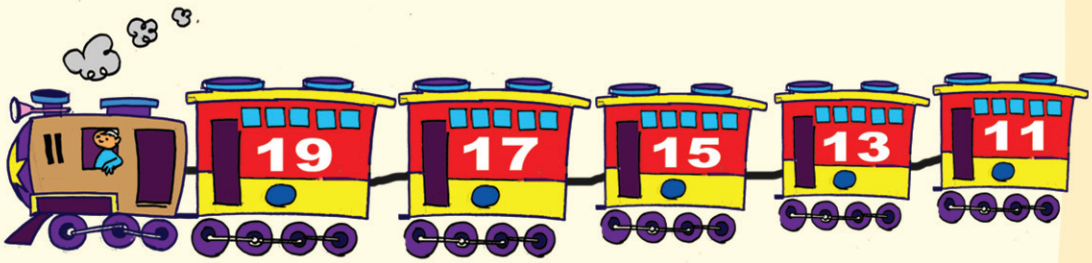
Ten and eight make eighteen.

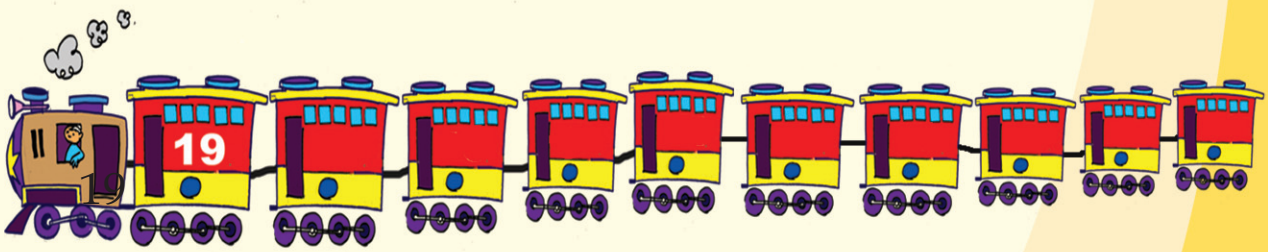
$\square + \square = \square$

Ten and one make eleven.

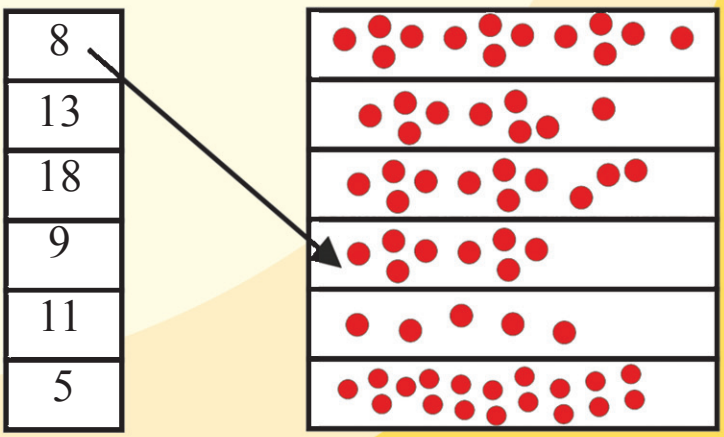
$\square + \square = 11$

Write the numbers on the coaches in order;

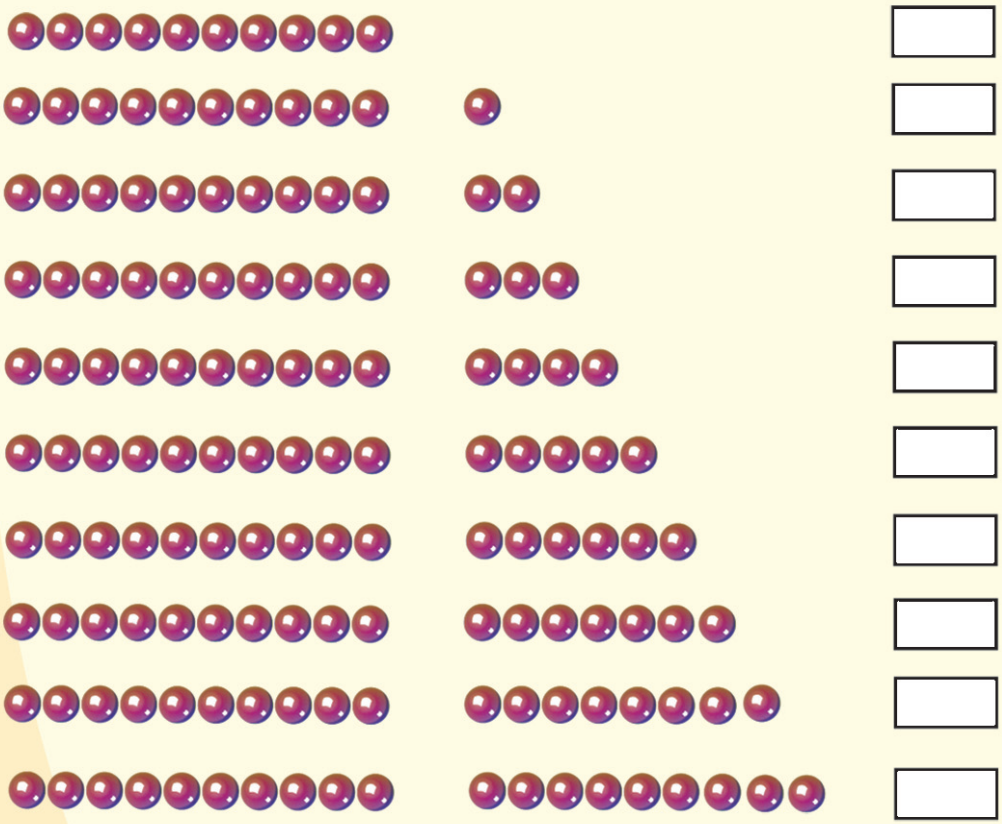




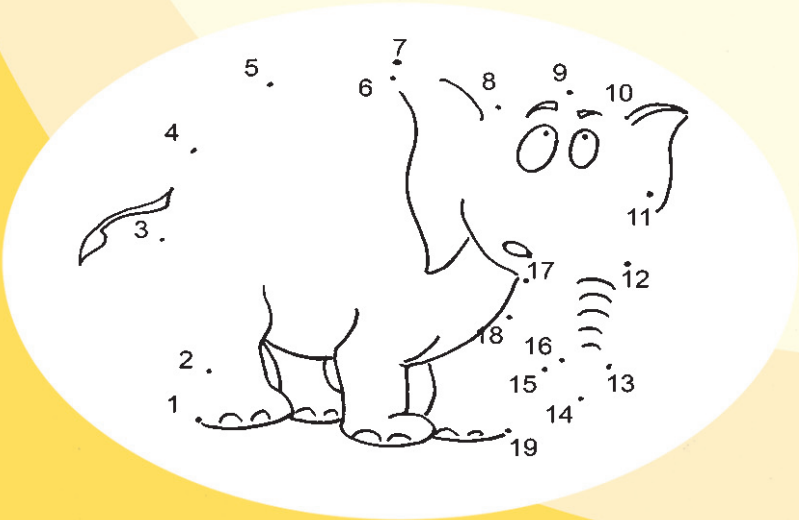
Count the dots and match



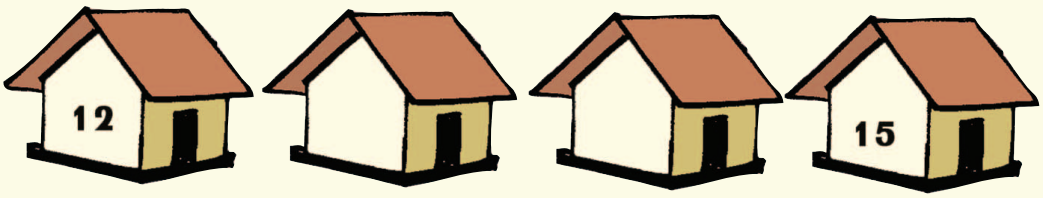
Anu has to make a necklace
Count the beads.
Tell the number and write it.

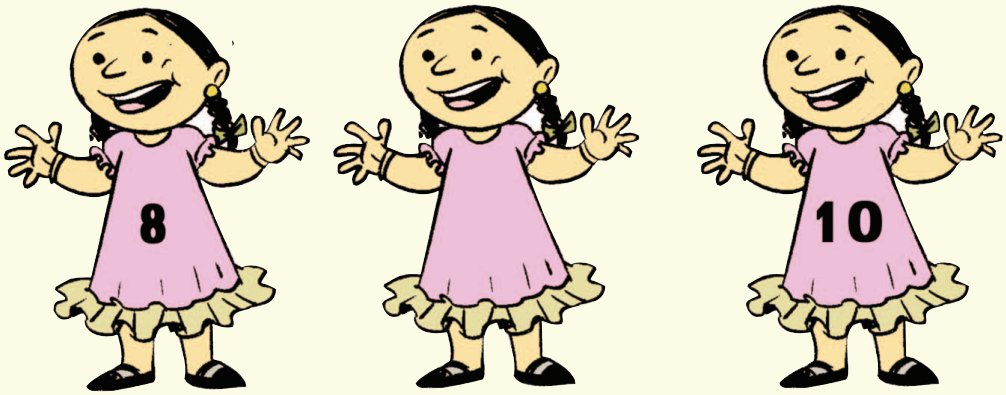


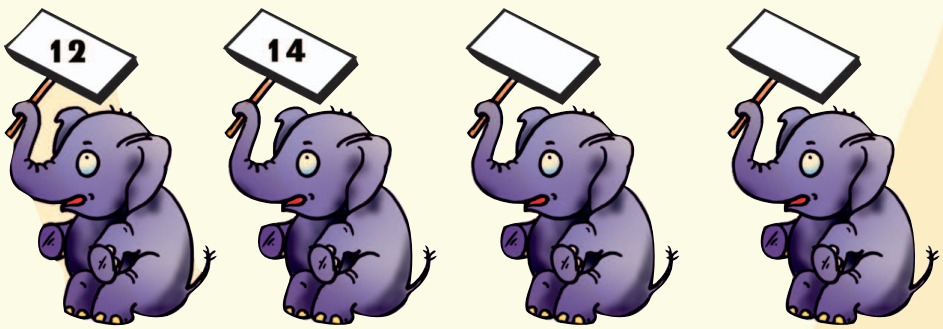
Join the dots in order and see.

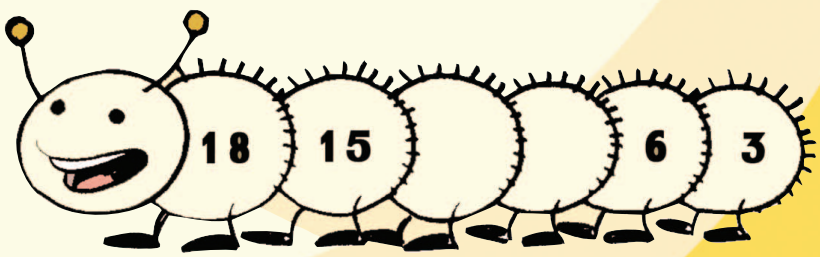


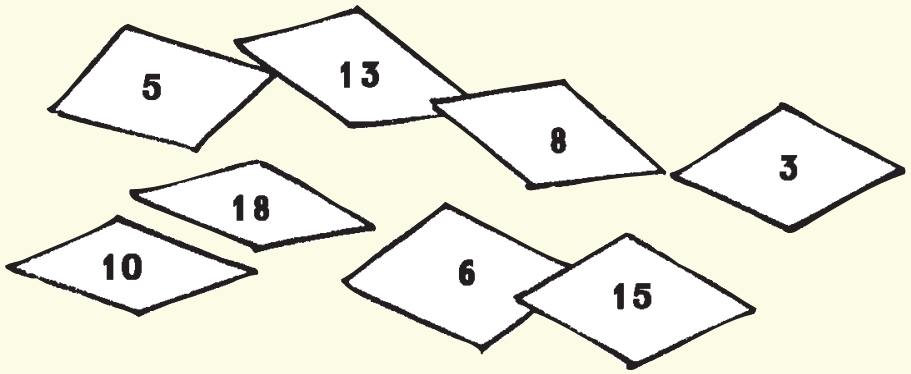
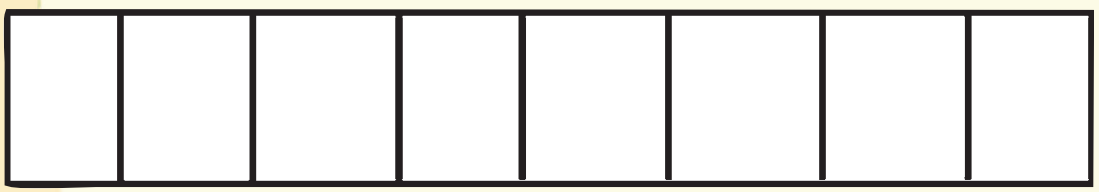
Fill in the blanks









Look at the numbers in the cards.

Write them in order in the boxes.