

MATHEMATICS

Standard I

Part - 2



Government of Kerala

DEPARTMENT OF EDUCATION

State Council of Educational Research and Training (SCERT)
Kerala

2014

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,
A book for you.
To make math fun!
Little things to do
With the teacher to help you!
See the things around
Think about them
And find the math in them
Play some games
Do some lists
And get some math from those too.
With love,*

Prof. K.A. Hashim
Director, SCERT



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6

Tens and Me

Let's hear a story...



Grandma,
the story of the
elephant and
rabbit, please.



Okay!
Here it is!



Once upon a time in a forest, the
animals could find nothing to eat.

What can they do?

Kunjan Elephant and Minnu
Rabbit decided to grow food.

So, Kunjan and
Minnu planted banana
trees.





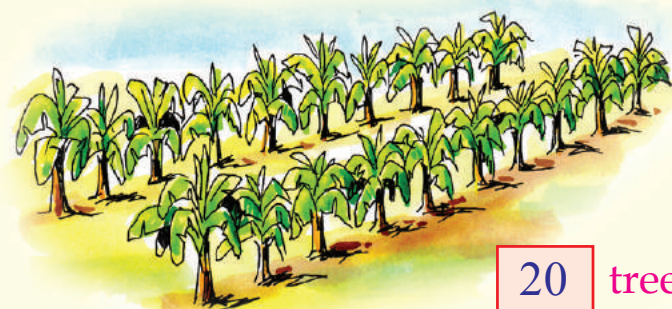
Trees planted left and right.

Trees planted up and down.



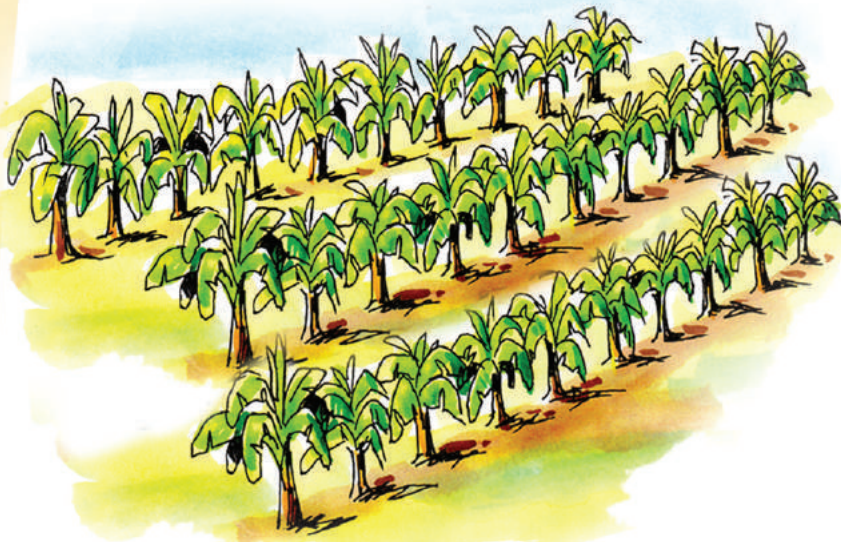
How many trees are
in one row?

trees



How many in two rows?
10 and 10 make twenty
trees in all.

20 trees



How many in the third row?

How many in all three rows?

20 and 10 make 30 trees

trees



How many rows now?

How many in all four rows ?

and

make forty trees.

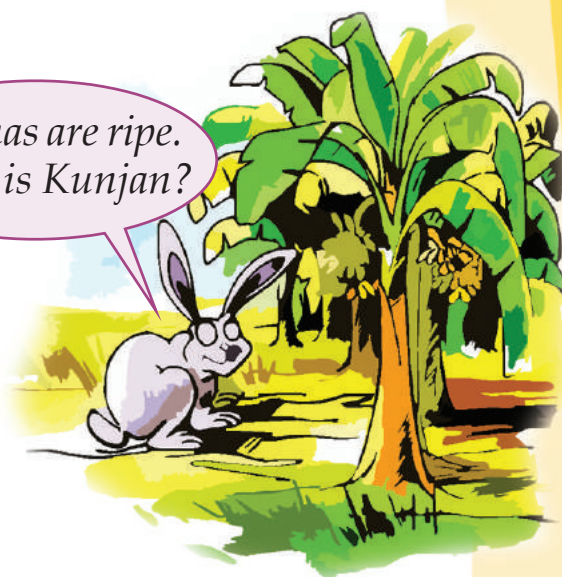
trees

What if we take one more row?

trees

The trees grew up.
And then fruits!
Big bunches of bananas.

Bananas are ripe.
Where is Kunjan?

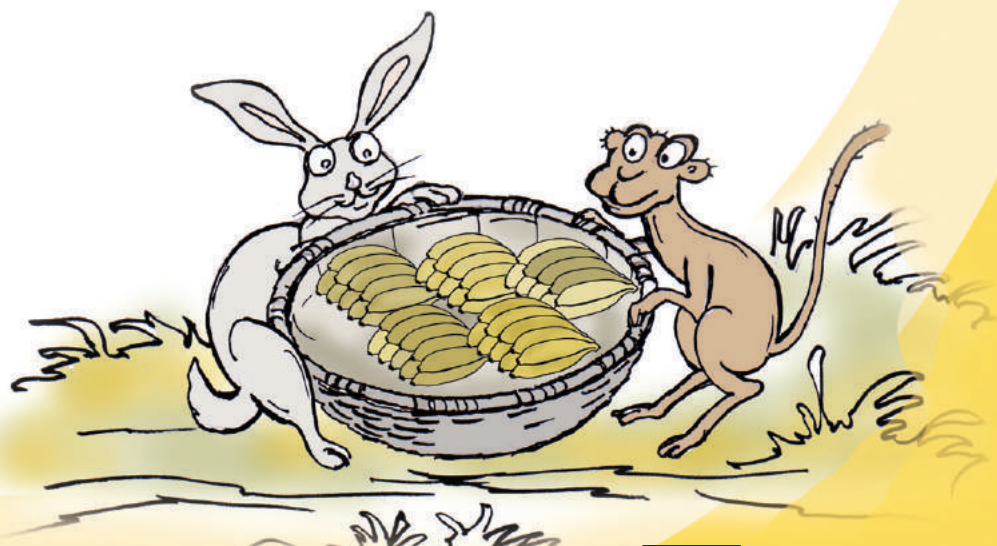


Oh! What
happened?

Very
hungry!



Friends came to help.
“Let’s get bananas for Kunjan!”



How many bananas in the basket?

More came in with bananas.

First a squirrel. How many did he bring?

How many in all now?

50 and 10 makes sixty bananas.



Bananas

60

A deer came with 10 bananas.

How many bananas now?

60 and 10 makes seventy bananas.



Bananas



A goat came with 10 bananas.

Now, how many bananas?

70 and makes eighty bananas.



Bananas

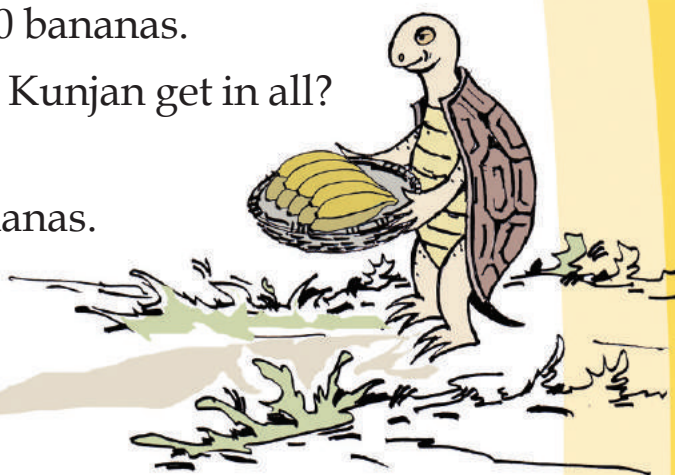
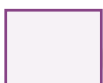
Last came a tortoise with 10 bananas.

So, how many bananas did Kunjan get in all?

80 and makes 90 bananas.



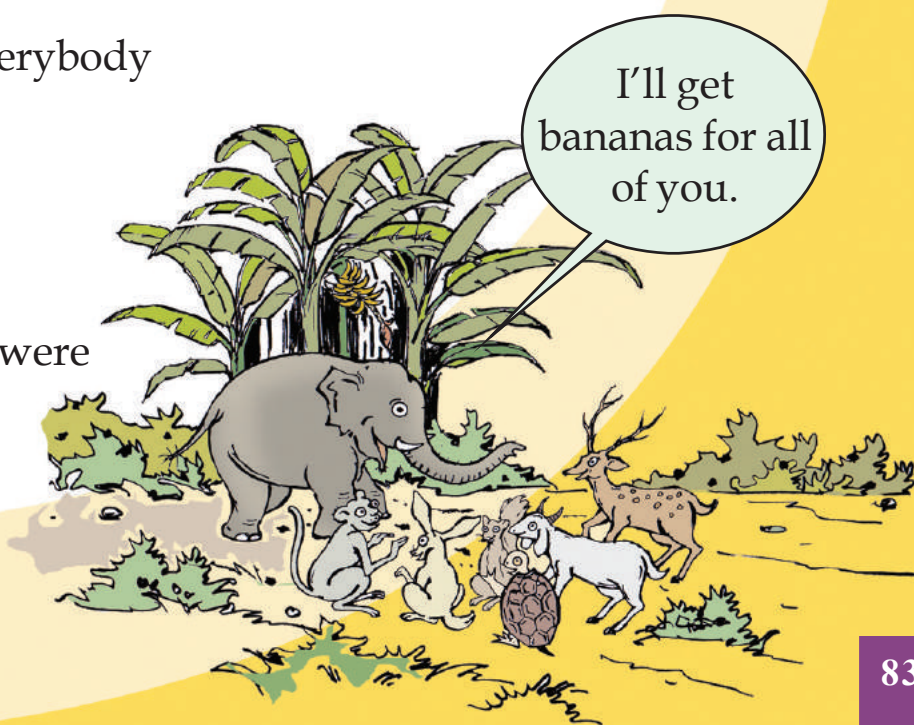
Bananas



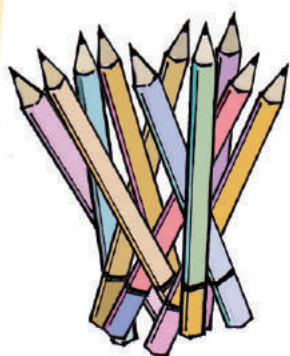
Kunjan ate the bananas.
He was happy again.

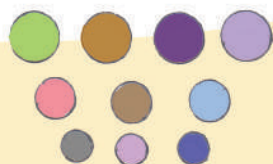
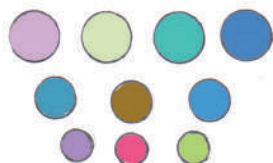
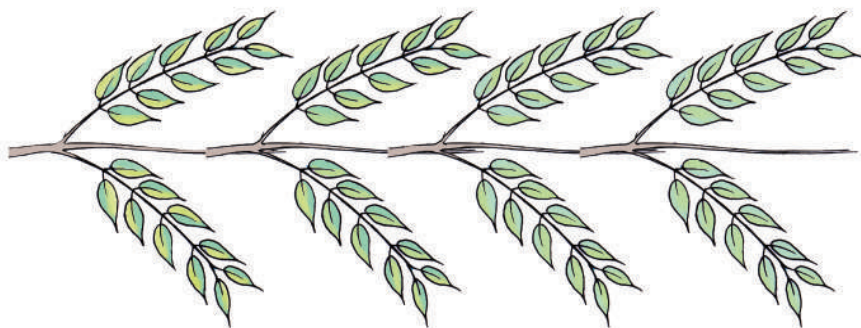
Minnu took everybody
to the grove.

All the friends were
happy.



Count and write

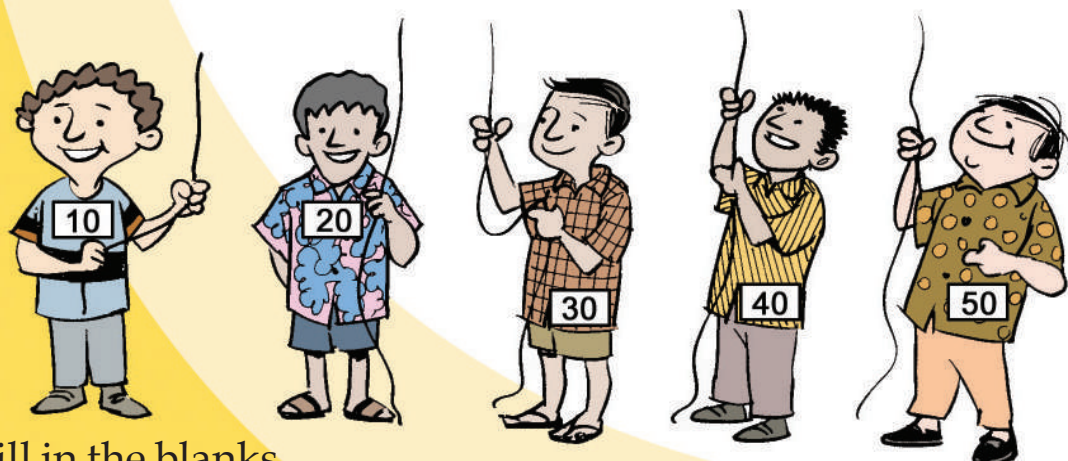
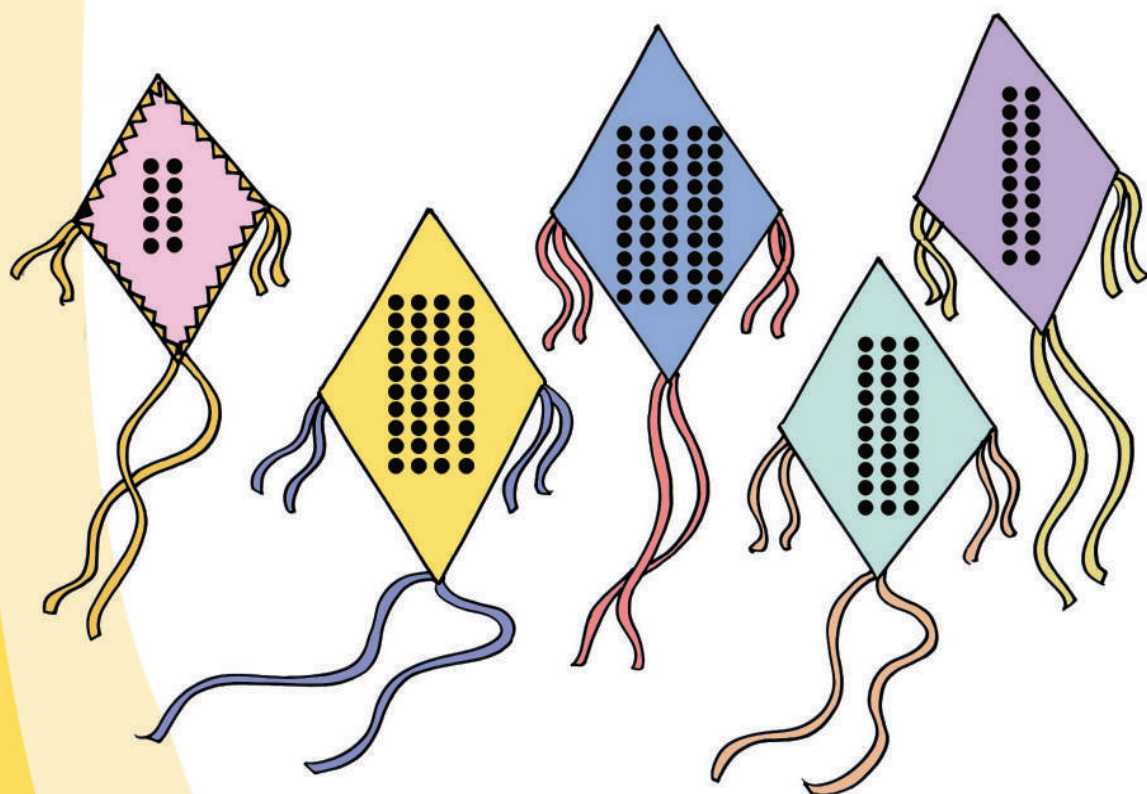




Whose kite? Draw lines and join

Number on the shirt is the number of dots on his kite.

Count the dots on the kites and connect them to the strings.



Fill in the blanks.

10		30			60			90
----	--	----	--	--	----	--	--	----

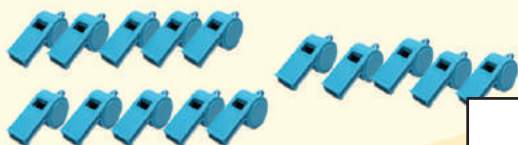
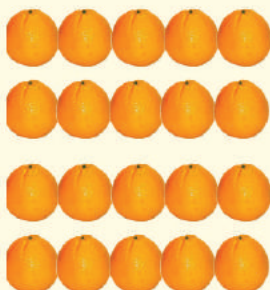
Let's find out!

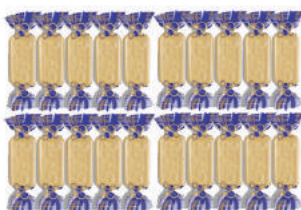


11



21





Stand in queue



Ammu is tenth in the line. Find out Ammu.

Vinu is the eighteenth.

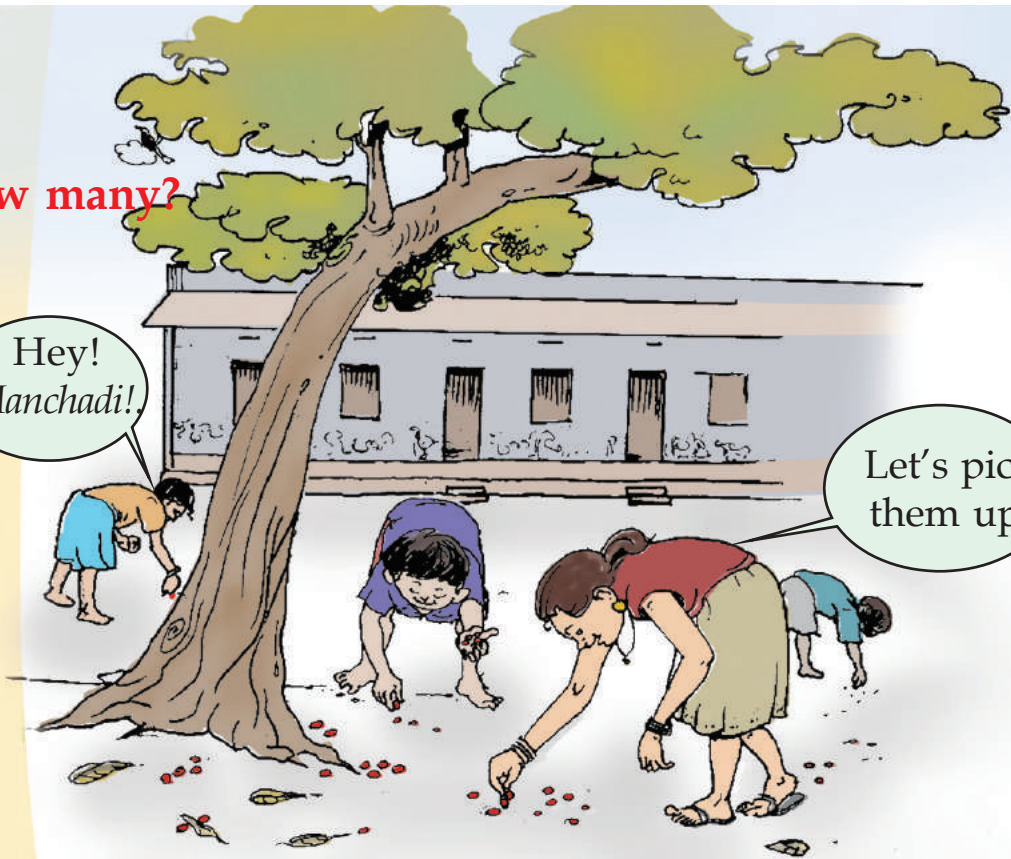
Where's Vinu from the back of the line?



How many?

Hey!
Manchadi!.

Let's pick
them up.



They counted the seeds in ten.

Count

Sulu		(10) (10) (10) (4)	34
Hari		(10) (10) (6)	
Amina		(10) (10) (10) (10) (2)	
Rani		(10) (10) (9)	

Who got the most?

Write the number of seeds in order, least to most.

Fill in the empty boxes

+	10	20	30	40	50	60	70	80	90
1	11	21							
2	12	22							
3	13	23							
4	14	24							
5	15	25							
6	16	26							
7	17	27							
8	18	28							
9	19	29							

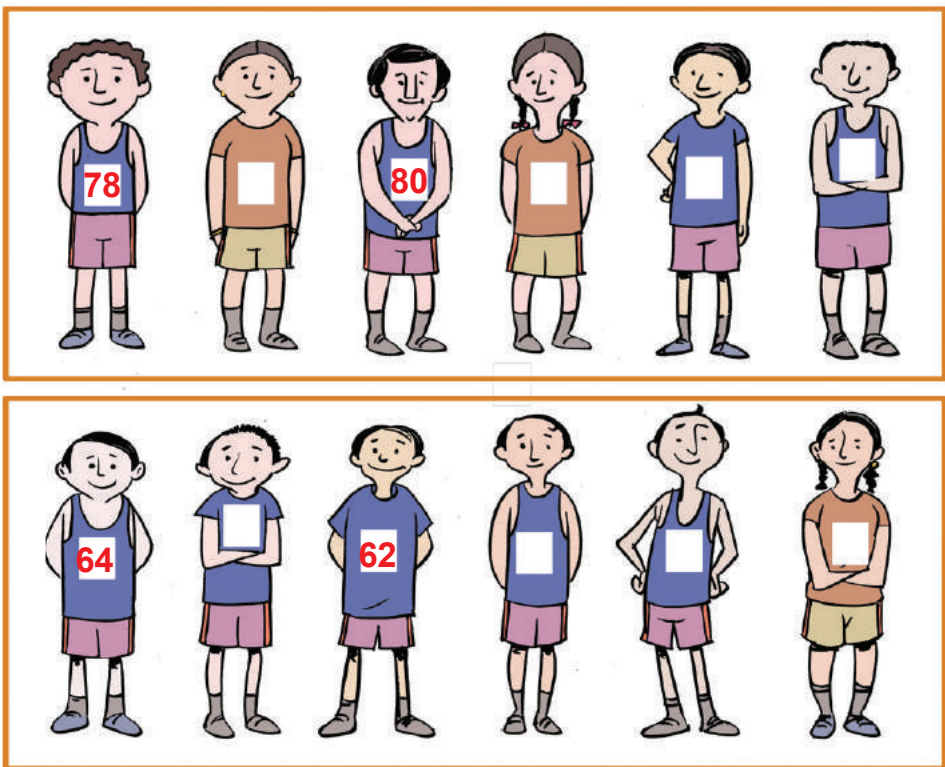
Circle the number greater than 38.

27 35 24 42 18

Circle the number less than 71.

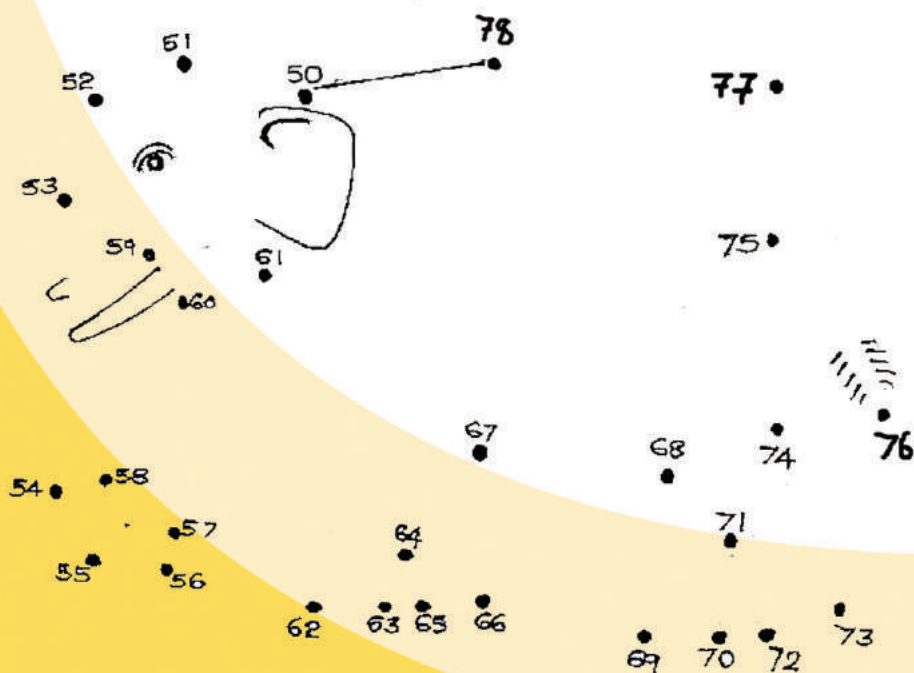
96 84 53 80 99

Give numbers in order



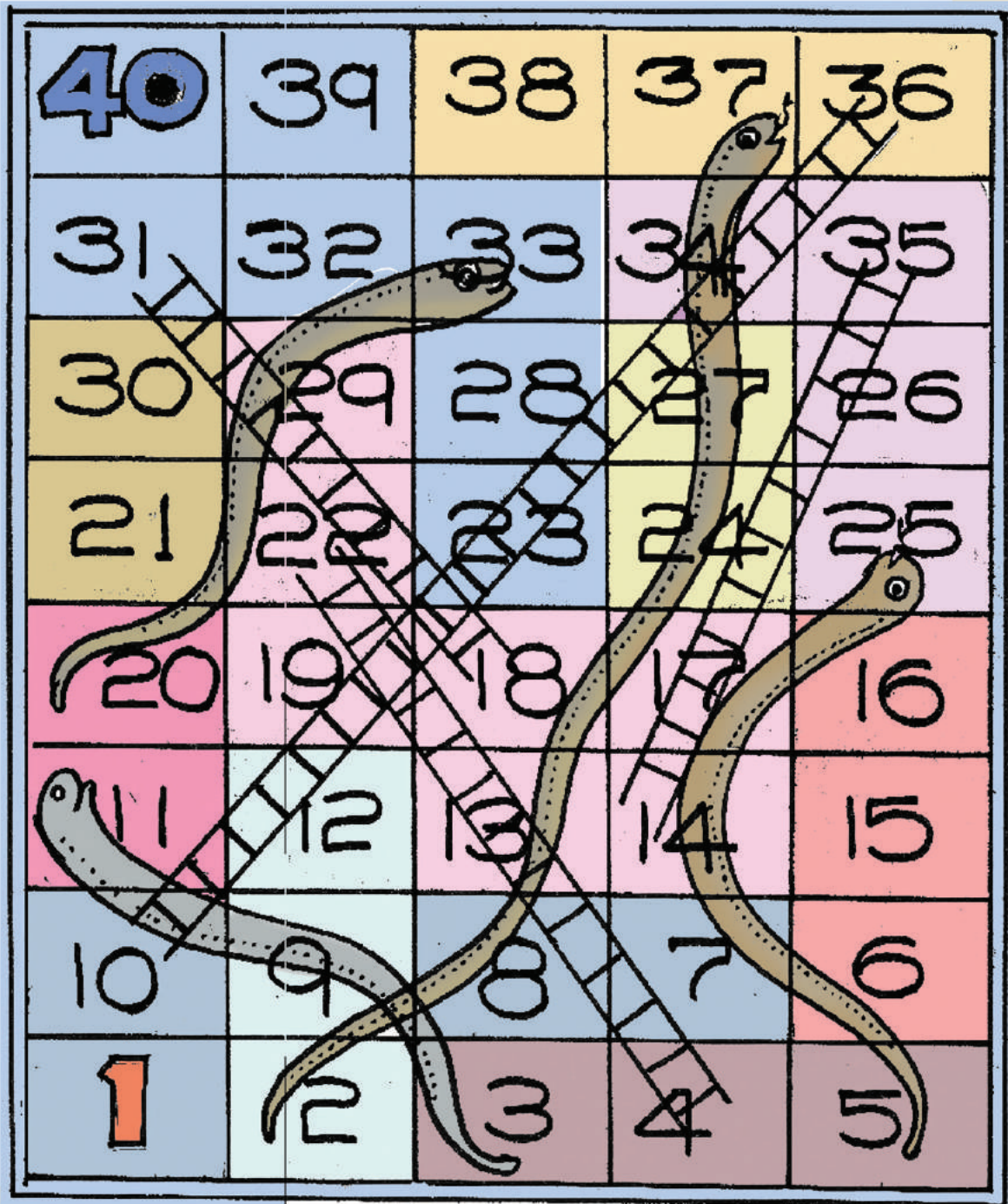
Who is hiding?

Join the dots from 50 to 78 in order.



Snake and ladder

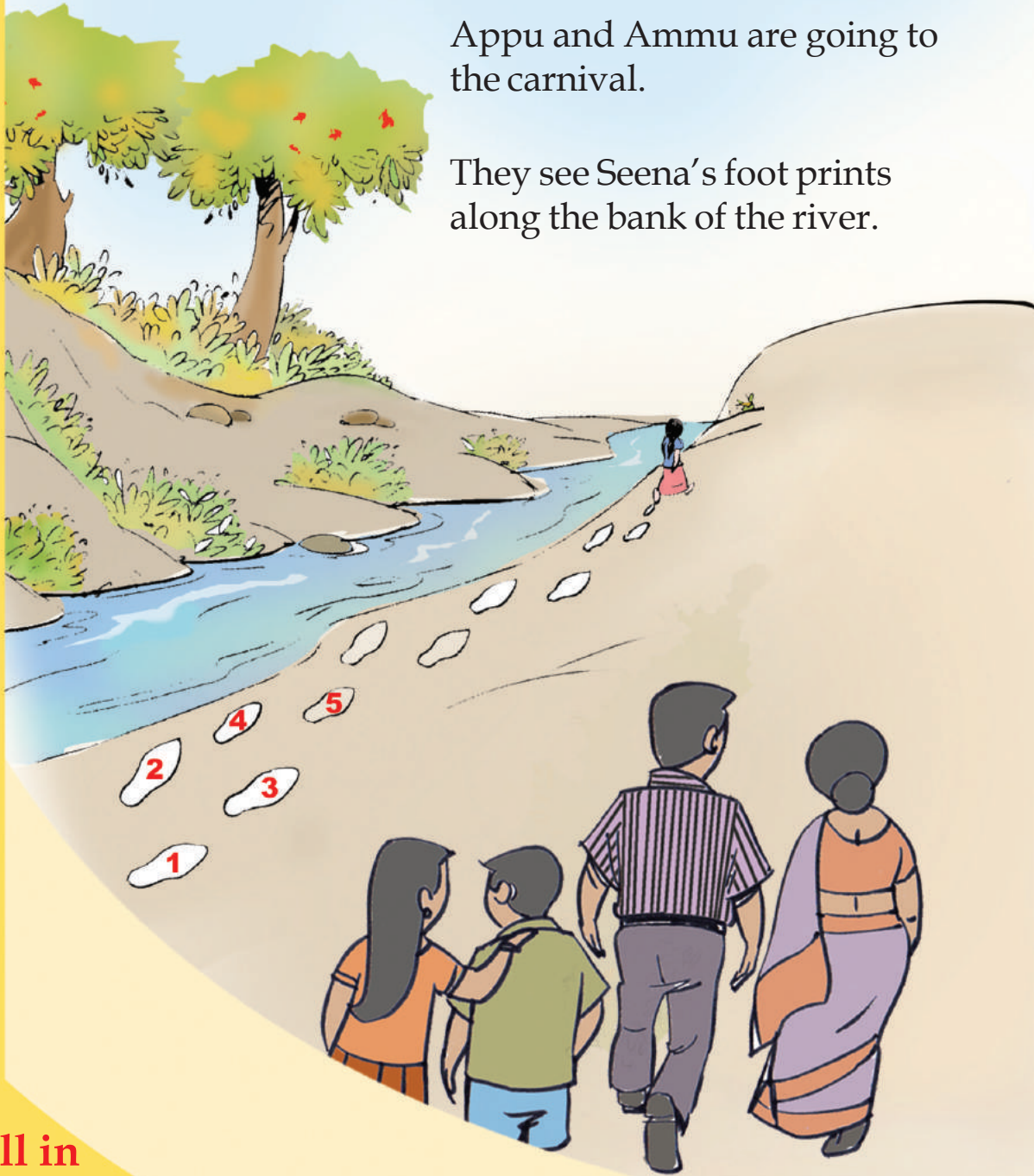
Let's play snake and ladder.



Let's Add and Subtract

Appu and Ammu are going to the carnival.

They see Seena's foot prints along the bank of the river.



Fill in

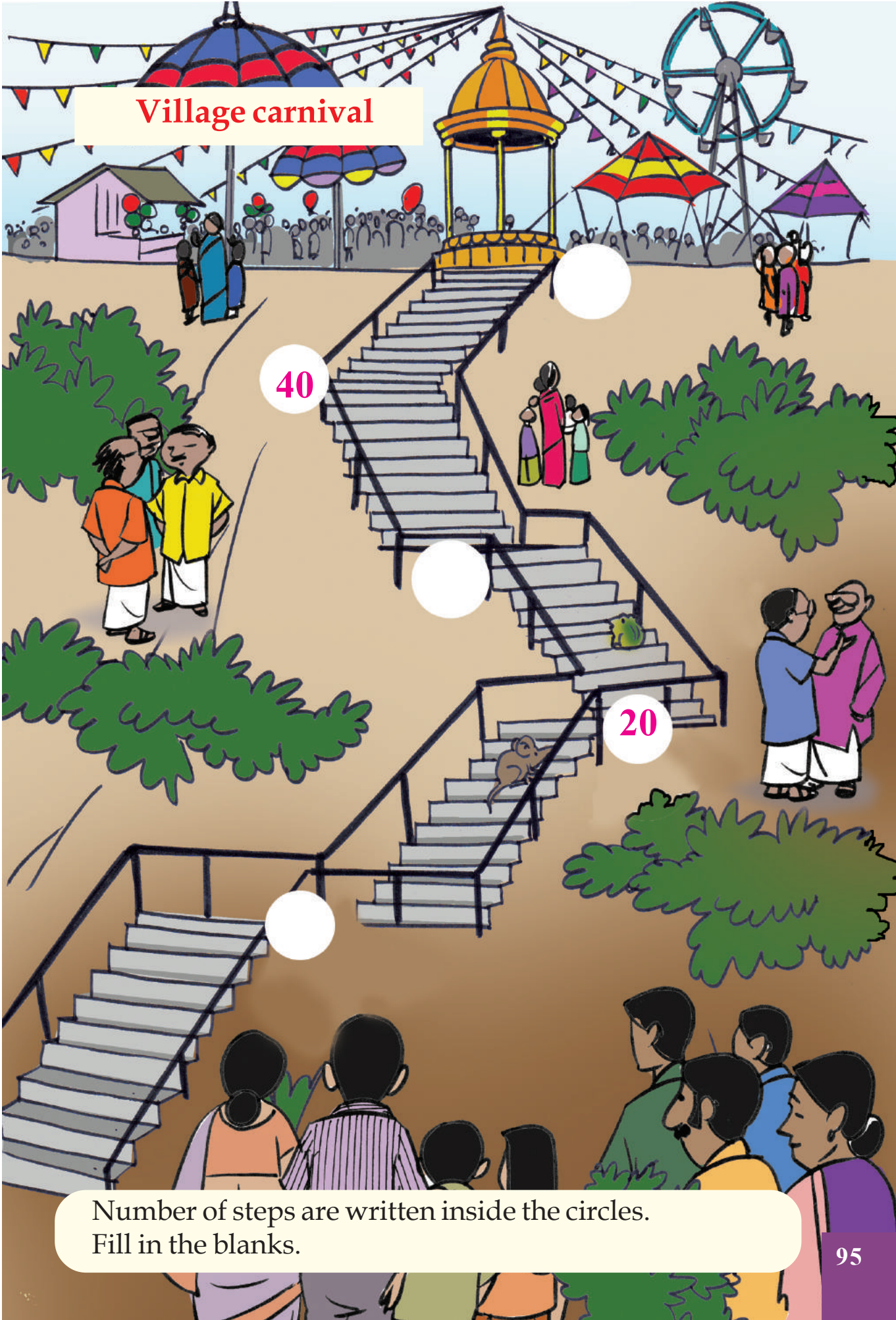
The numbers on Seena's right foot prints

1 3 5

The numbers on Seena's left foot prints

2 4 6

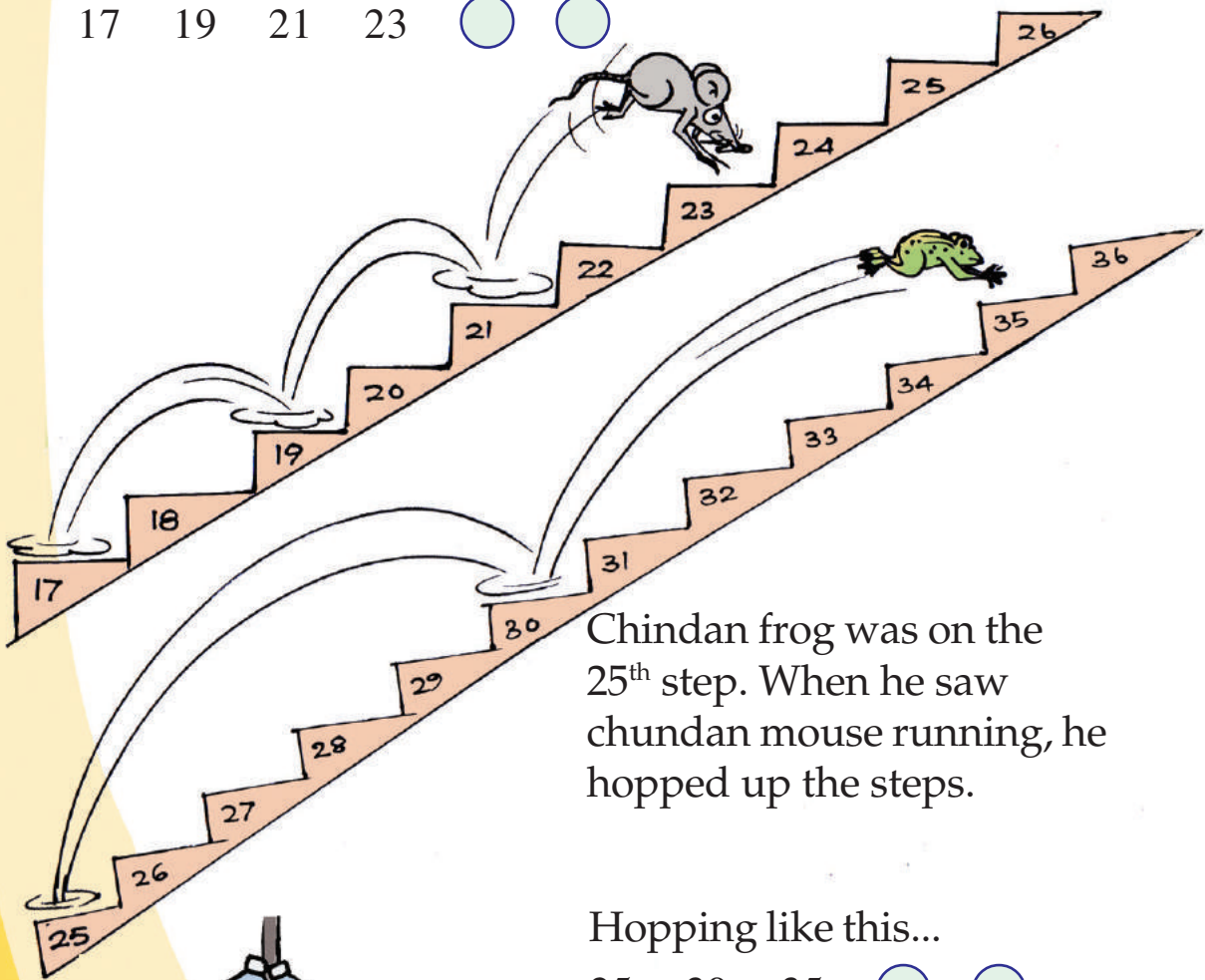
Village carnival



Number of steps are written inside the circles.
Fill in the blanks.

Chundan Mouse was on the 17th step.
 Hearing a sound, he ran up.
 Running like this....

17 19 21 23



Chindan frog was on the 25th step. When he saw chundan mouse running, he hopped up the steps.

Hopping like this...

25 30 35

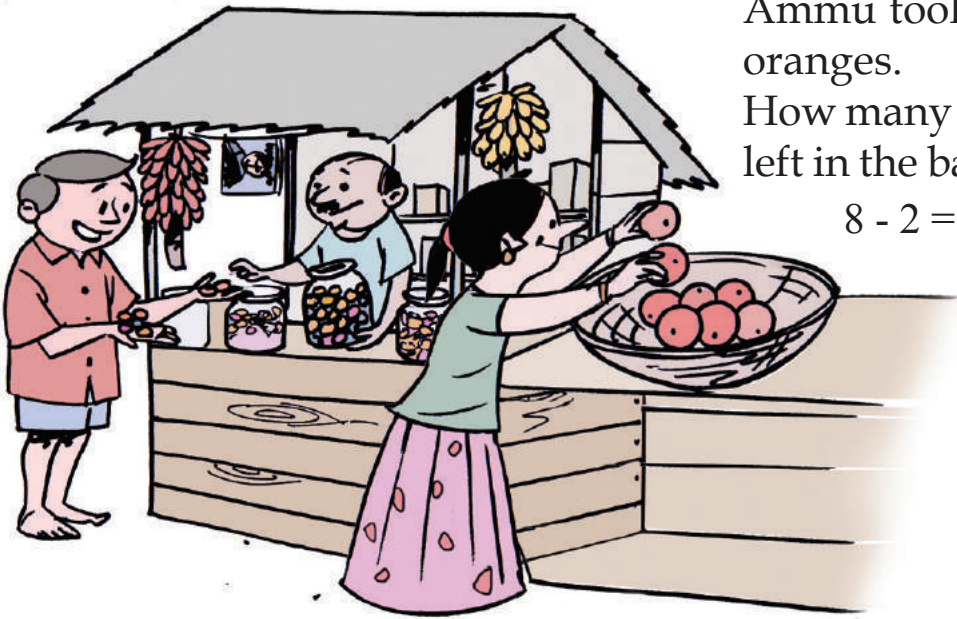


Write the correct answers and put in the box.

78	80	82			
40	50			80	90
			20	25	30

You can also write the correct answers.

Scenes from the carnival



Ammu took two oranges.
How many oranges left in the basket?

$$8 - 2 = \square$$

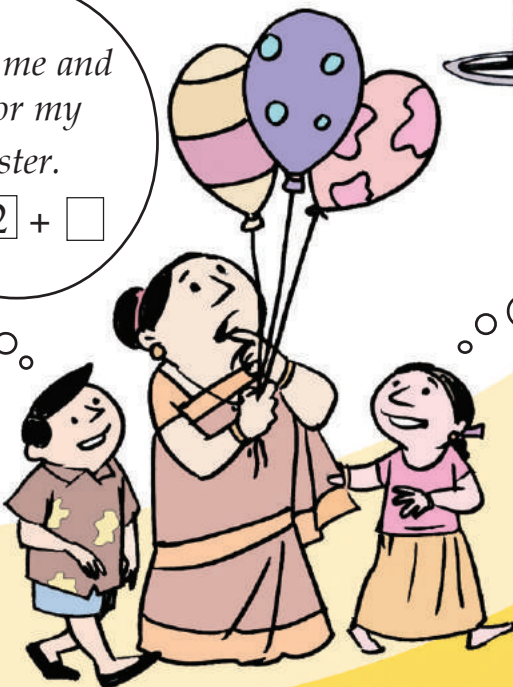


2 for me and
1 for my
sister.

$$3 = \square + \square$$

1 for Appu.
2 for me.

$$3 = 1 + \square$$



How many cups are
outside the box?

How many cups needed
to fill the box?



How many cups left after filling the box?

$$9 - 7 = \text{}$$



8 bangles on Ammini's
left hand.

6 bangles on the table.

How many bangles in all?

and makes

bangles.

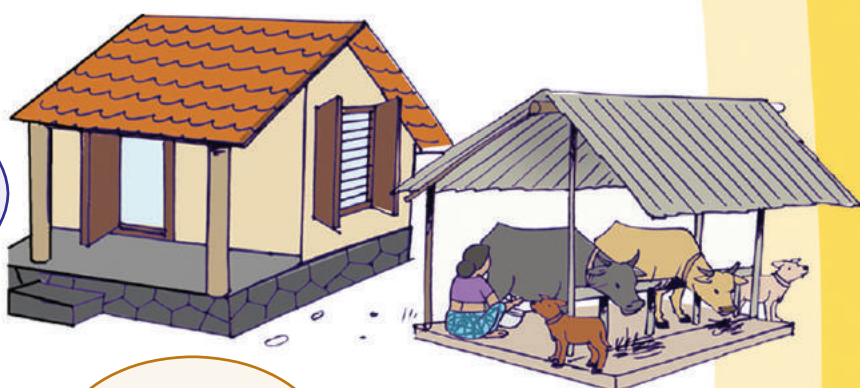
Ammini wants 10 bangles. How many more should she
take?

She takes 2 bangles from the table. How many bangles left
on table?

How many bangles in all, on her hand and on the table?

They went to Mary's home from the carnival ground.

Hey!
Two cows!
How beautiful!



Want to see the
cows? Come.



On the shelf

Blacky gives
7 bottles of milk.
Whitey gives 5.
How many bottles in
all?



Mary's mother put Blacky's bottles on
the shelf. How many slots are left on
the shelf?

To fill the shelf, how many bottles of
Whitey's milk are needed?

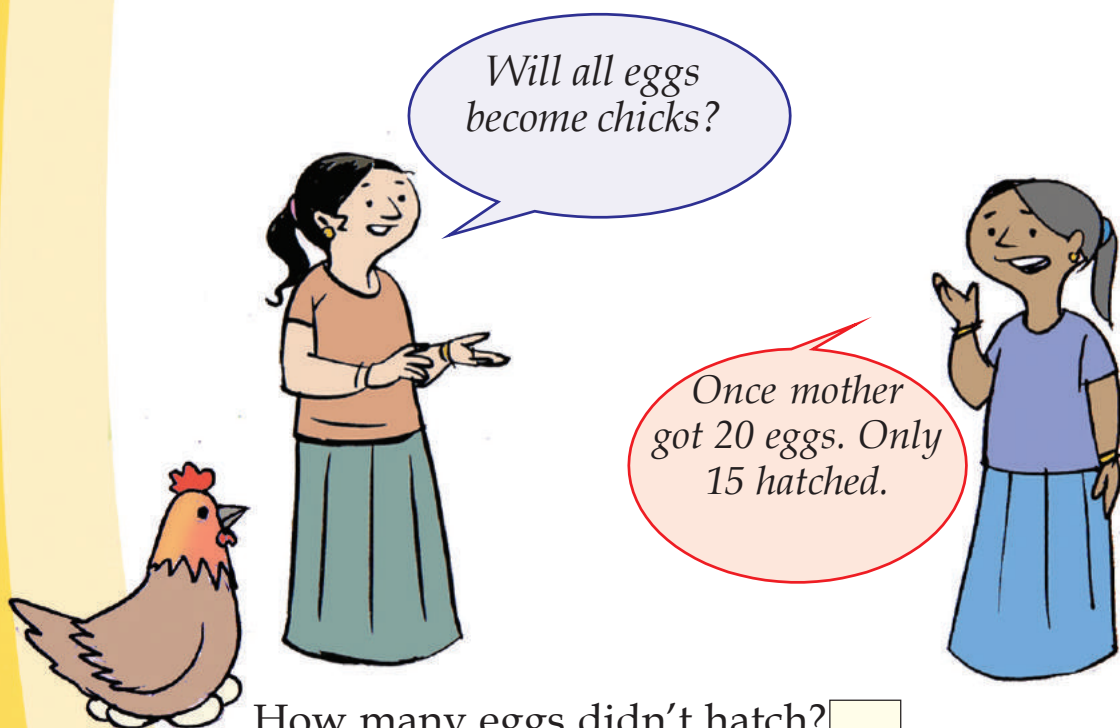
How many bottles left after the shelf is filled?

Total $10 + 2 =$

$7 + 5 =$

Mother hen brooding

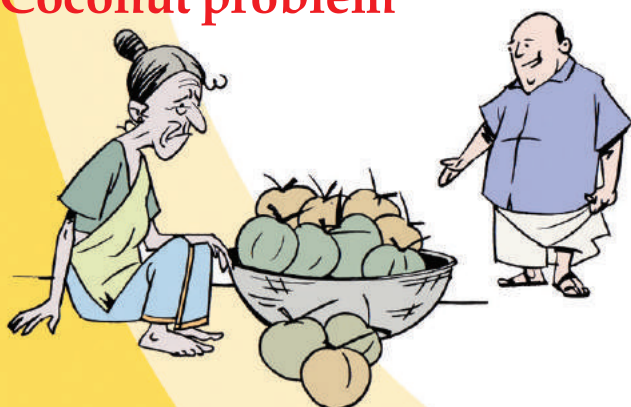
Mary took them to the brooding hen.



How many eggs didn't hatch?

How much more is 20 than 15?

Coconut problem



How many coconuts in the basket?

Outside?

How many in all?

$$8 + 3 = \square$$

$$8 + 2 = \square$$

$$10 + \square = \square$$



Let's add



How many chairs?

$$\begin{array}{rcl} 8 & + & 9 & = & \square \\ 8 & + & \square & = & \square \\ 10 & + & \square & = & \square \end{array}$$



How many candles?

$$\begin{array}{rcl} 5 & + & 8 & = & \square \\ \square & + & \square & = & \square \\ 10 & + & \square & = & \square \end{array}$$

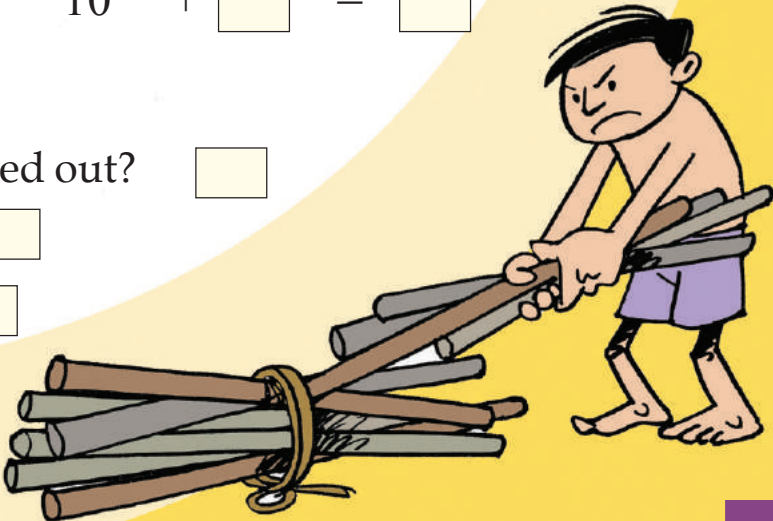
How many left?

Look at the picture

How many sticks pulled out?

The remaining?

$$10 - \square = \square$$



Can you answer?

- Thara has 12 beads. Suppose she gets 5 more. How many would she have then?
- Manu has 15 chocolates. He gave 3 to Anu. How many chocolates does he have now?

A number game

Anu wrote four numbers on cards like this.

8	9	10	11
---	---	----	----

Vinu arranged the cards like this.

8	9
10	11

Let's add the numbers on the opposite corners.

$$10 + 9 = \boxed{}$$

$$11 + 8 = \boxed{}$$

Write the numbers 4, 8, 12, 16 in boxes like this.

Add the numbers in the opposite corners.

$$\boxed{} + \boxed{} = \boxed{}$$

$$\boxed{} + \boxed{} = \boxed{}$$

What's the missing number here?

7	3
10	

How did you get it?



One, Two, Three

One, when I'm all alone

Two, when I'm with my ma

Three, when we're with my pa

Four, with my little sis

Five, with my baby bro

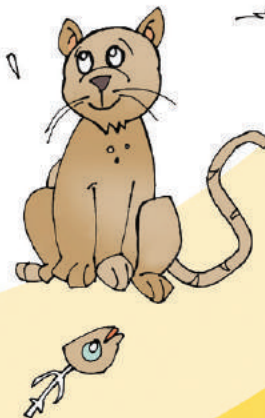
Six, with my pretty doll

Seven, with my yelping pup

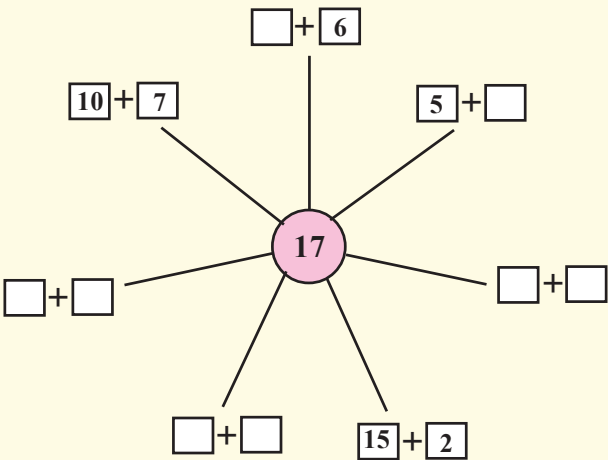
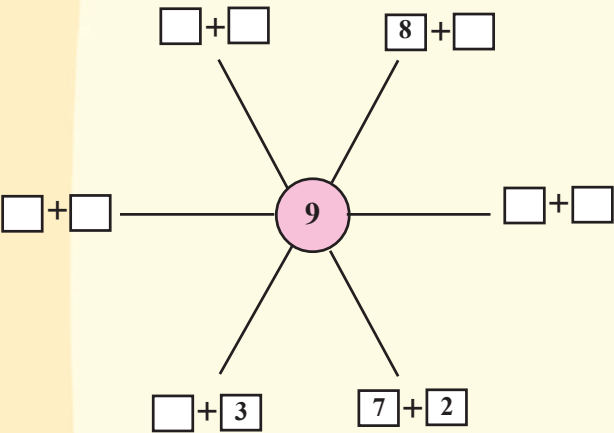
Eight, with my purring kit

Nine, with my frisky lamb

Ten, with its meek mother



Fill in



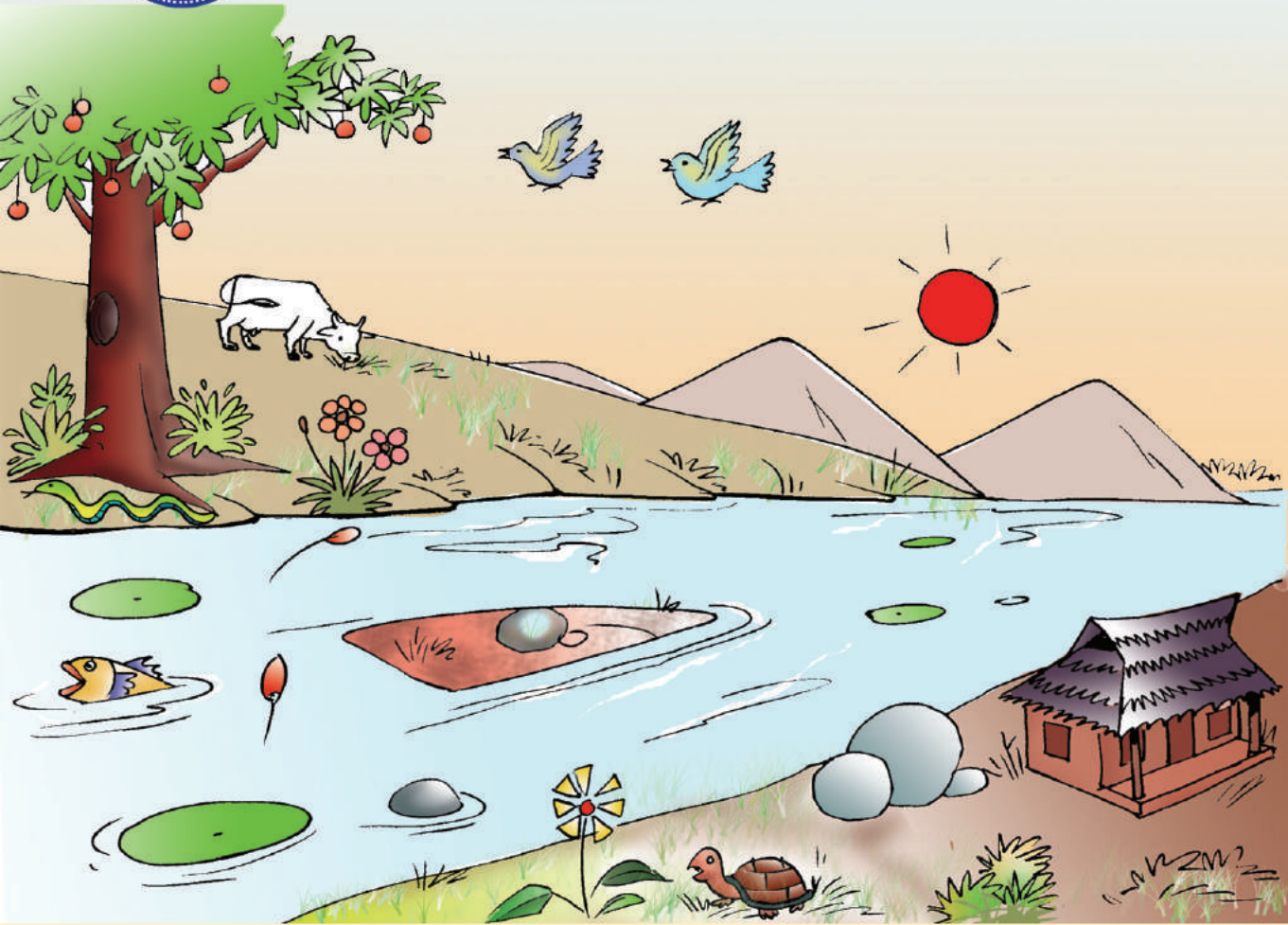
Let us make a crown



Write suitable numbers in the empty boxes.

8

Beautiful Shapes



Mangoes are all *round*
 Leaves are all *flat*
 Look at the cow, it's *fat*
 And the snake, it's *long*
 So many shapes all around !
 Take a look and find them out !

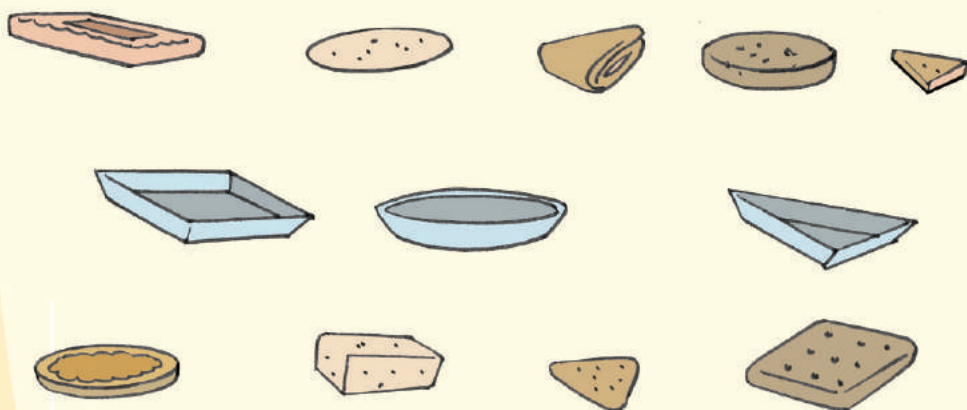
What are in this picture?

Shapes of snacks

Anu is sorting snacks.

She wants to put each in a dish of the same shape.

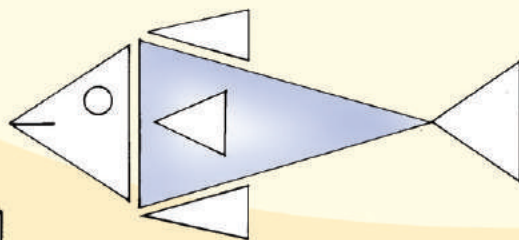
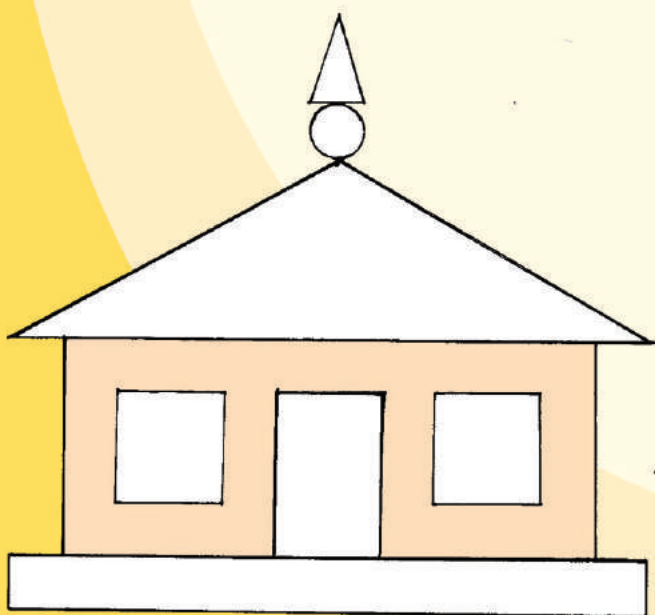
Draw lines and join.



Colour the picture

See the pictures Anu and Vinu have drawn:

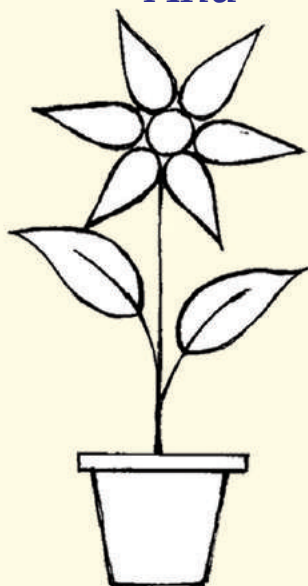
Colour the shapes like this:



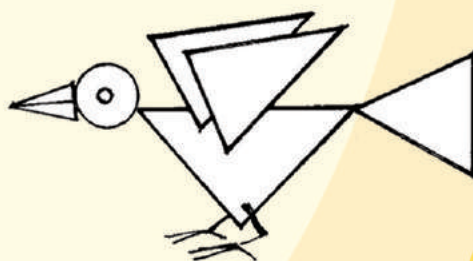
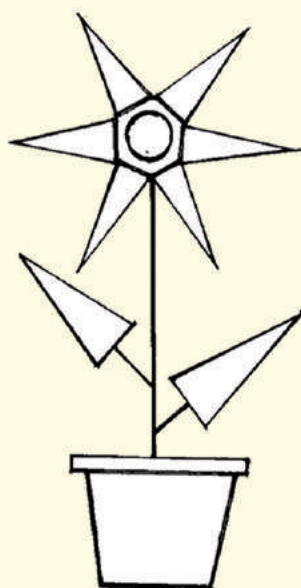
Let's colour!

Colour the other pictures Anu and Vinu have drawn.

Anu



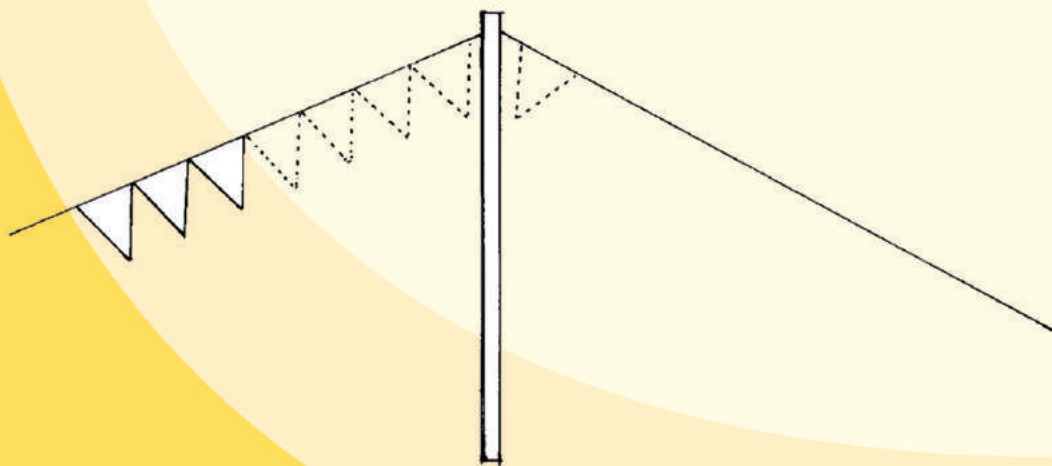
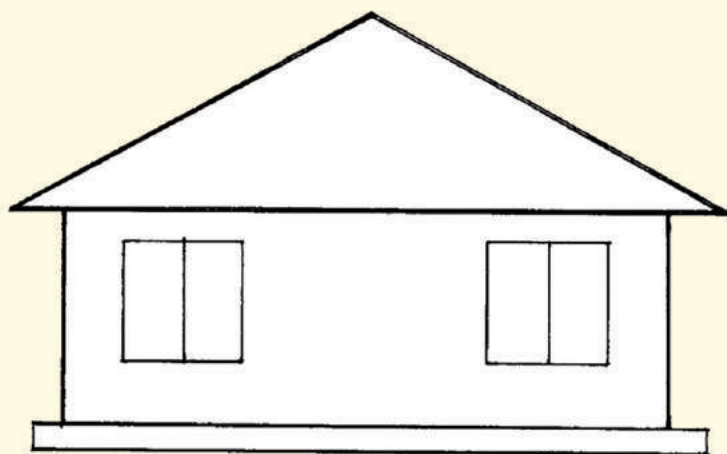
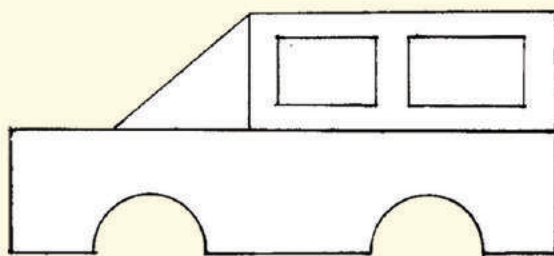
Vinu



Whose pictures do you like more?

Complete the picture

Draw the missing parts.

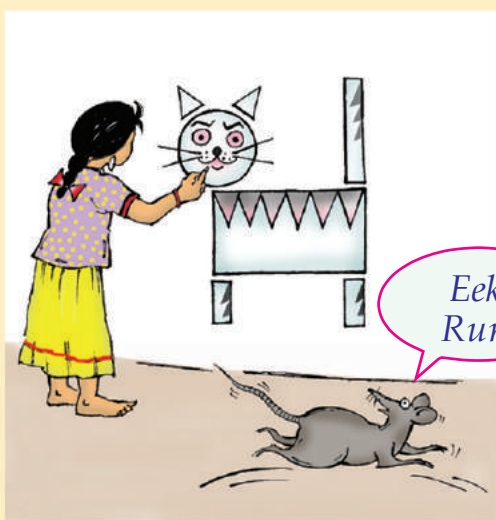
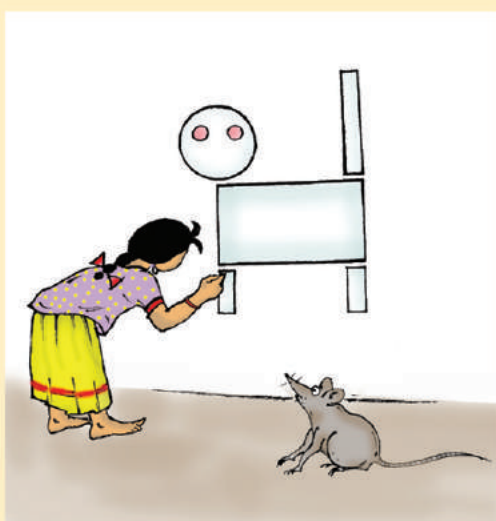
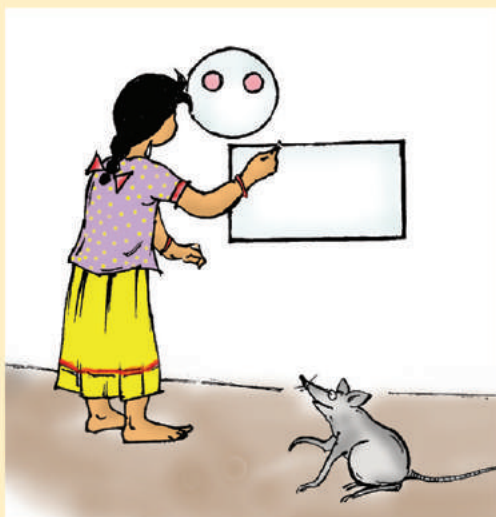


Colour the pictures, choosing the right colours!

Try yourself

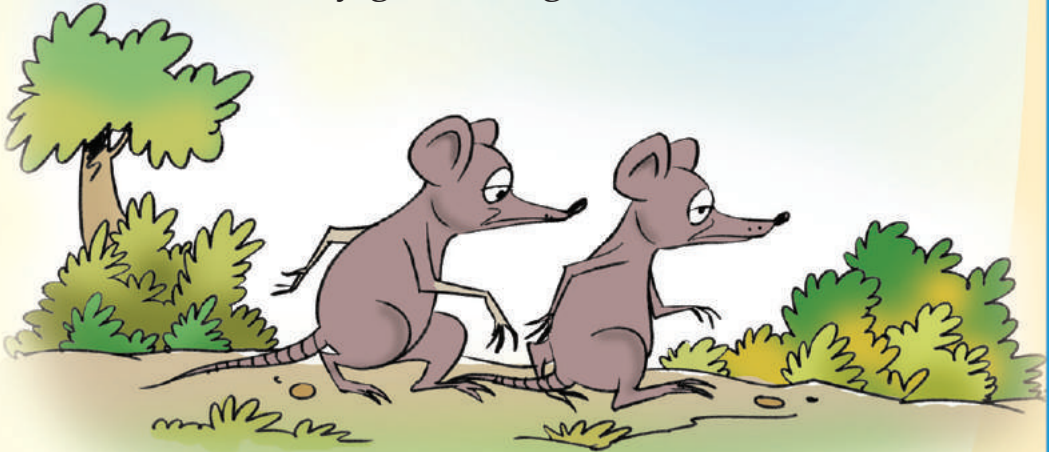
Anu is drawing a picture.
Try to draw along with her.





So Long !

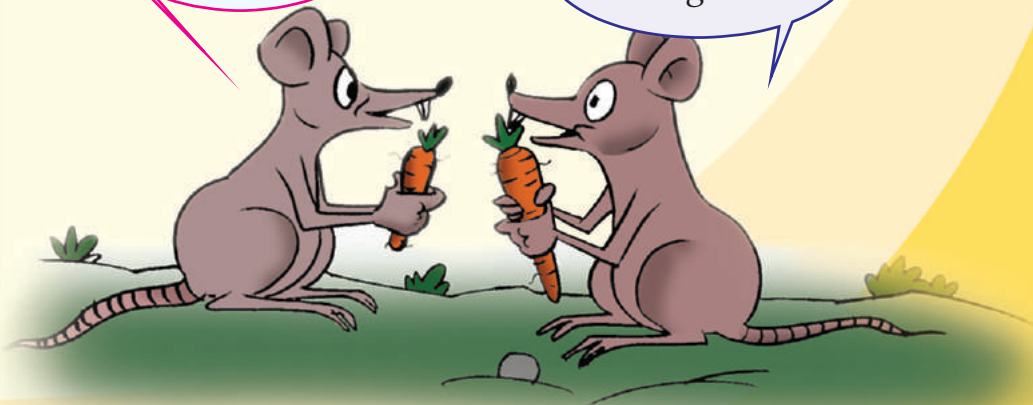
Meelu and Valan are friends.
They go out to get some food.

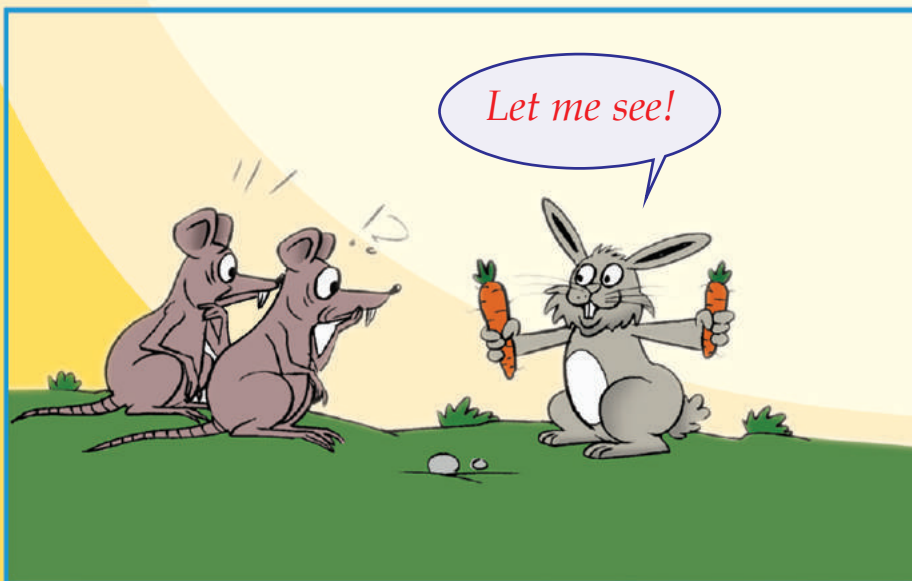
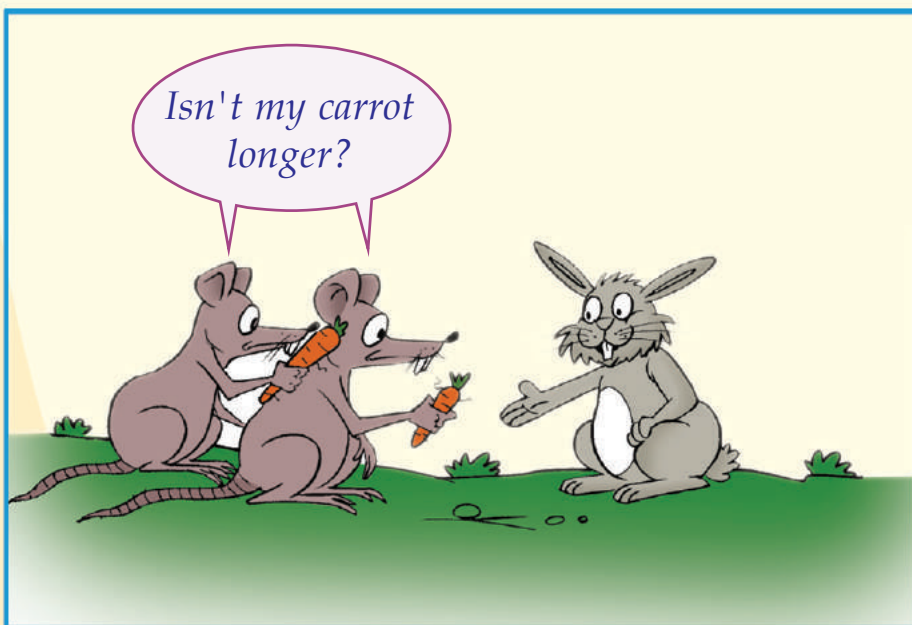
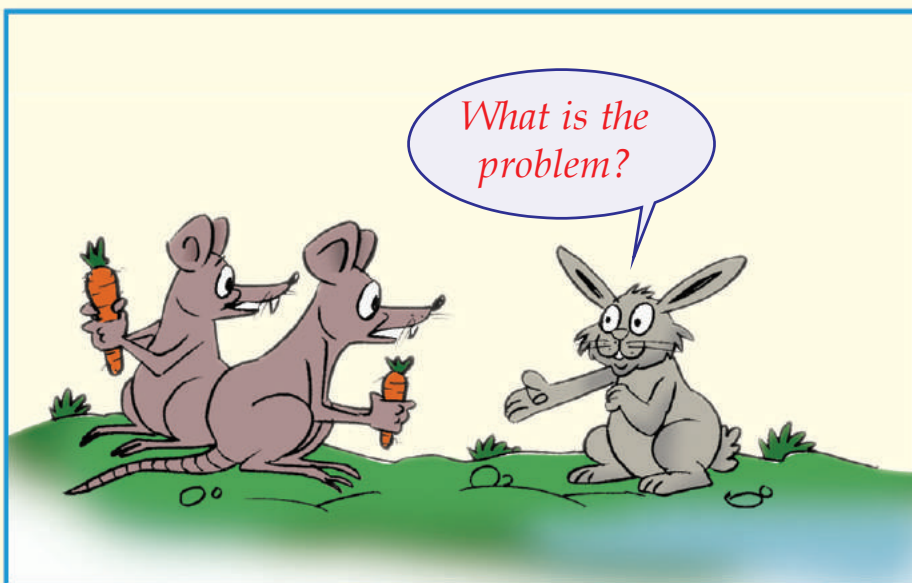


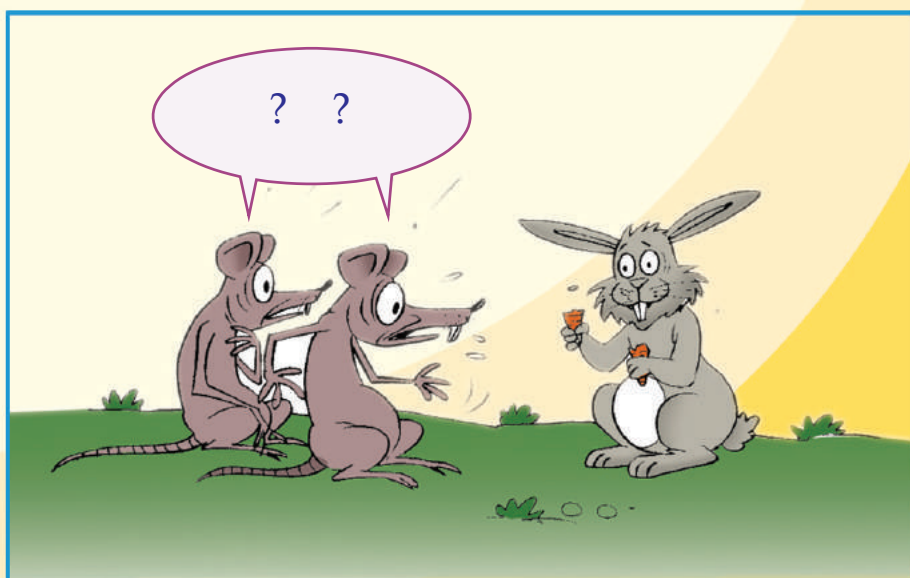
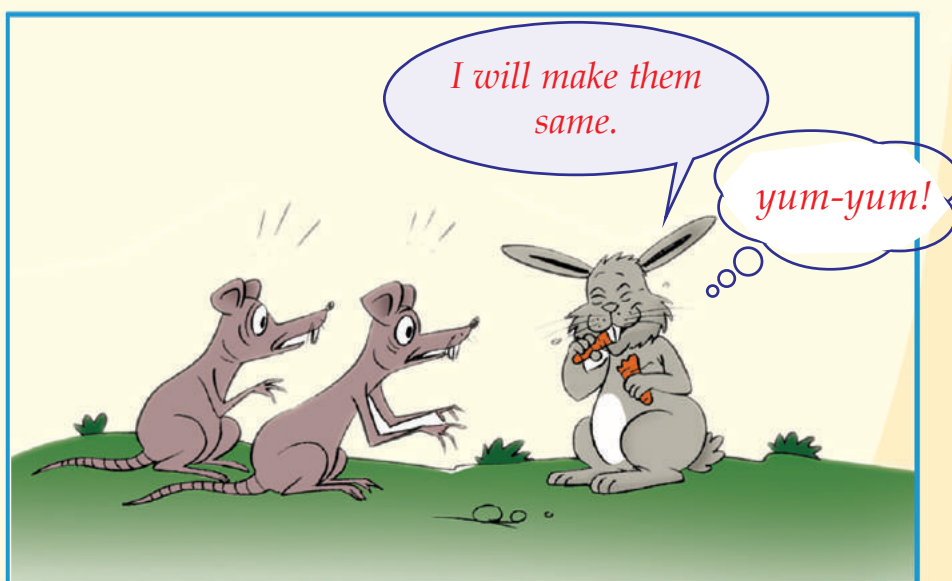
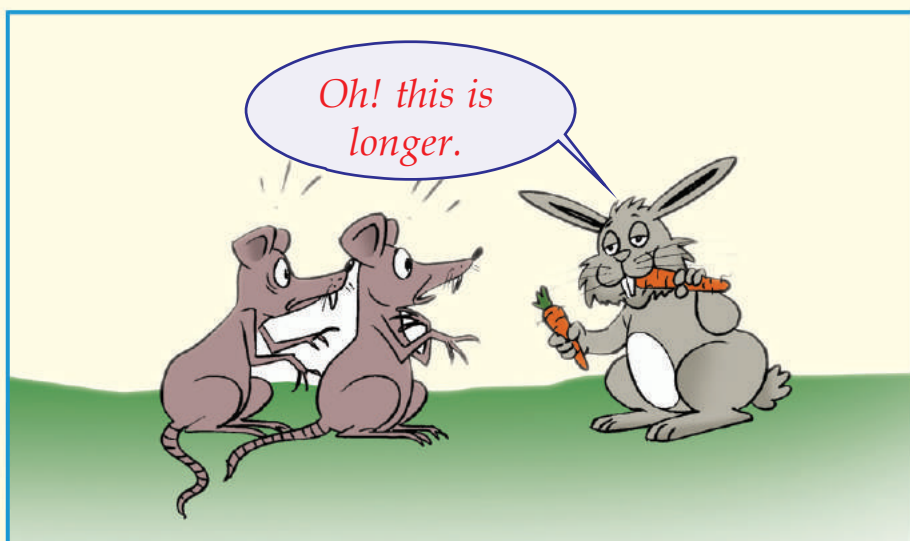
*My carrot is
longer than
yours.*

They start fighting.

*No, mine is
longer.*



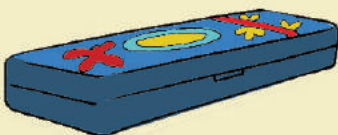
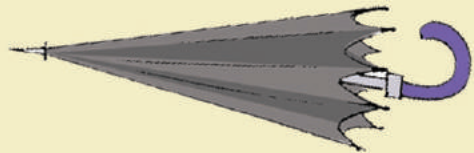
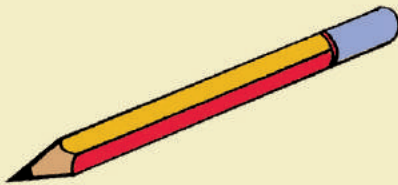




Which is the shorter?

Thara and Manu are packing their school bags.

Circle the shorter things.



Which to use?

We want to take some sugar from the jar.
Which spoon will you use? Put a ✓ mark
in the box.

☐☐☐

Why?

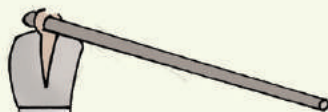
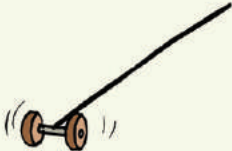
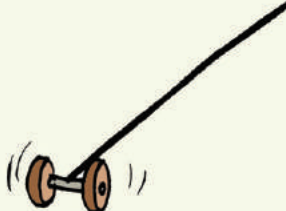
The longest

Find out who has the longest pencil in your
class.



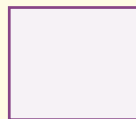
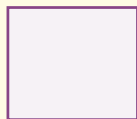
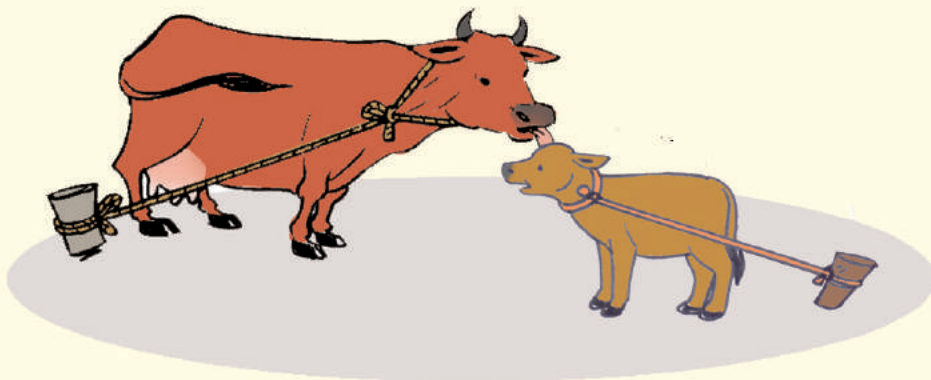
Let's arrange

Find out the shortest and the longest in each set. Write 1 against the shortest, 2 against the next in length and 3 against the longest.

 	 	 1
 	 	
 	 	
 	 	
 	 	

Whose rope is shorter?

Which one has shorter rope ? put a ✓ mark.



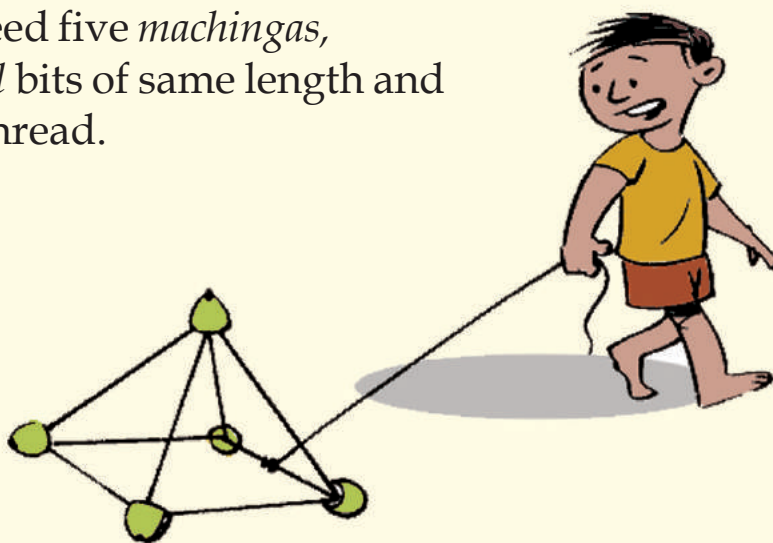
Let's find out

- Which is the longest finger in your hand?
- Who among your friends jumps the longest?
- Which is longer, the black board or the table in your class room?



A toy cart

You will need five *machingas*, eight *eerkkil* bits of same length and a piece of thread.



Stick the *eerkkil* bits in the *machingas* to make the toy cart like this.





The savings box



Let's sort the coins



What all coins are here?



Which is this coin?

This is not enough to buy what I need. Let me check my purse.



Can you tell?

Whose picture do you see in all these notes?

Are all notes of the same size?

Let's calculate prices



Price of a balloon Rupees.

Price of a whistle Rupees.

How much money to buy a balloon and a whistle for Vinu?

Which of these coins must be given?

Put ✓ mark against them.



Find the total

Price of a chain Rupees.

Price of a bangle Rupees.

Total price = + = Rupees.



Who has more?



Anu has rupees with her.

Vinu has rupees with him.

Which is correct? Put ✓ mark.

Anu has more.

☐

Vinu has more.

☐

They have equal amounts.

☐

Find the total



$$10 + 10 + 10 =$$



$$5 + 5 + 5 =$$



$$2 + 2 + 1 =$$

The cock crowed.
The birds chirped.
It's daybreak...

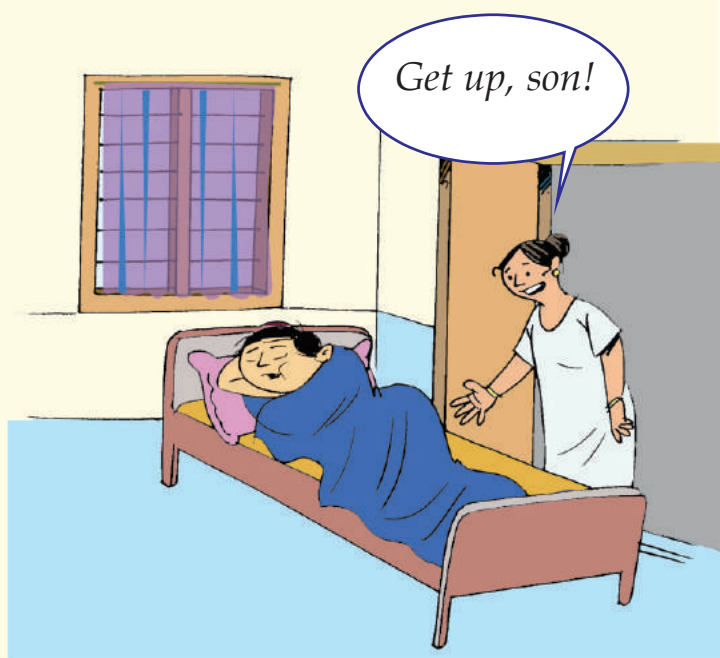


Time

Which is correct?
Put ✓ mark.

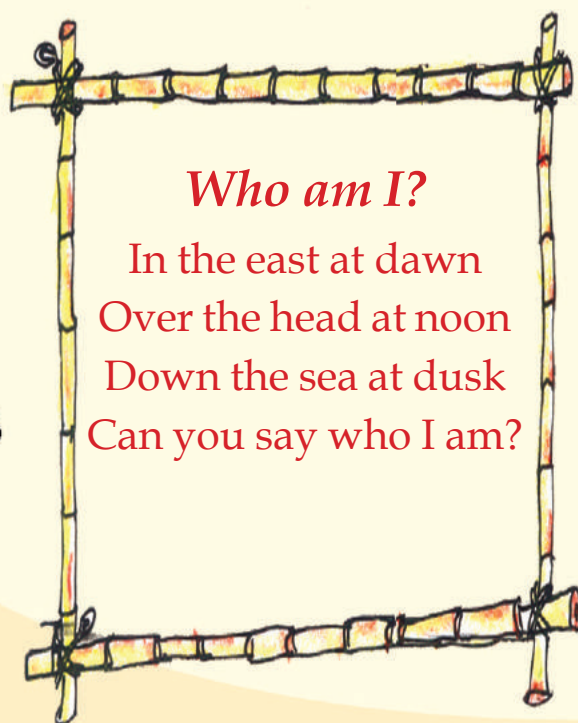
You went to bed at

night ☐ day ☐



You woke up in the

morning ☐ afternoon ☐ evening ☐



Who am I?

In the east at dawn
Over the head at noon
Down the sea at dusk
Can you say who I am?

You went to school in the

morning ☐ evening ☐

Which of these takes more time?

Put a ✓ mark.



☐

☐



☐

☐

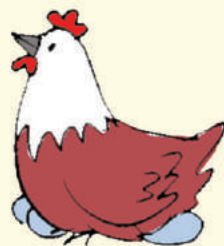
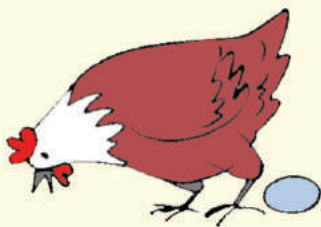


☐

☐

Write in the correct order.

Begin, Later, End



Anu doing many things.
Number them in the correct order.













At what time?

Going to school.	Morning
The sun setting.	
Birds returning to nests.	
Getting the newspaper.	
End of School.	
Eating lunch.	

Let's find out

How many days are there in a week?

Which is the first day?

Which is the last day?

Sunday, Monday,
Tuesday, Wednesday
Then Thursday, Friday, Saturday
Every week has seven days
Say them aloud in the right order.

Write the seven days of a week in order.

Vinu's week



Sunday



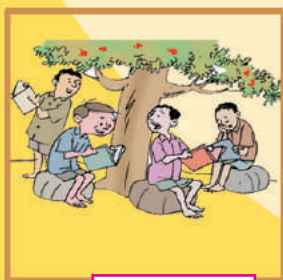
Monday



Tuesday



Wednesday



Thursday



Friday



Saturday

Write an important thing you did each day of the last week.

Sunday -----

Monday -----

Tuesday -----

Wednesday -----

Thursday -----

Friday -----

Saturday -----



Which are the school holidays?

Which day comes between Monday and Wednesday?

Fill the blanks

Today	Monday	Anu has to go to school.
Tomorrow		She has to go to the Library.
Day after tomorrow		Assembly in the school.
Yesterday		School holiday.

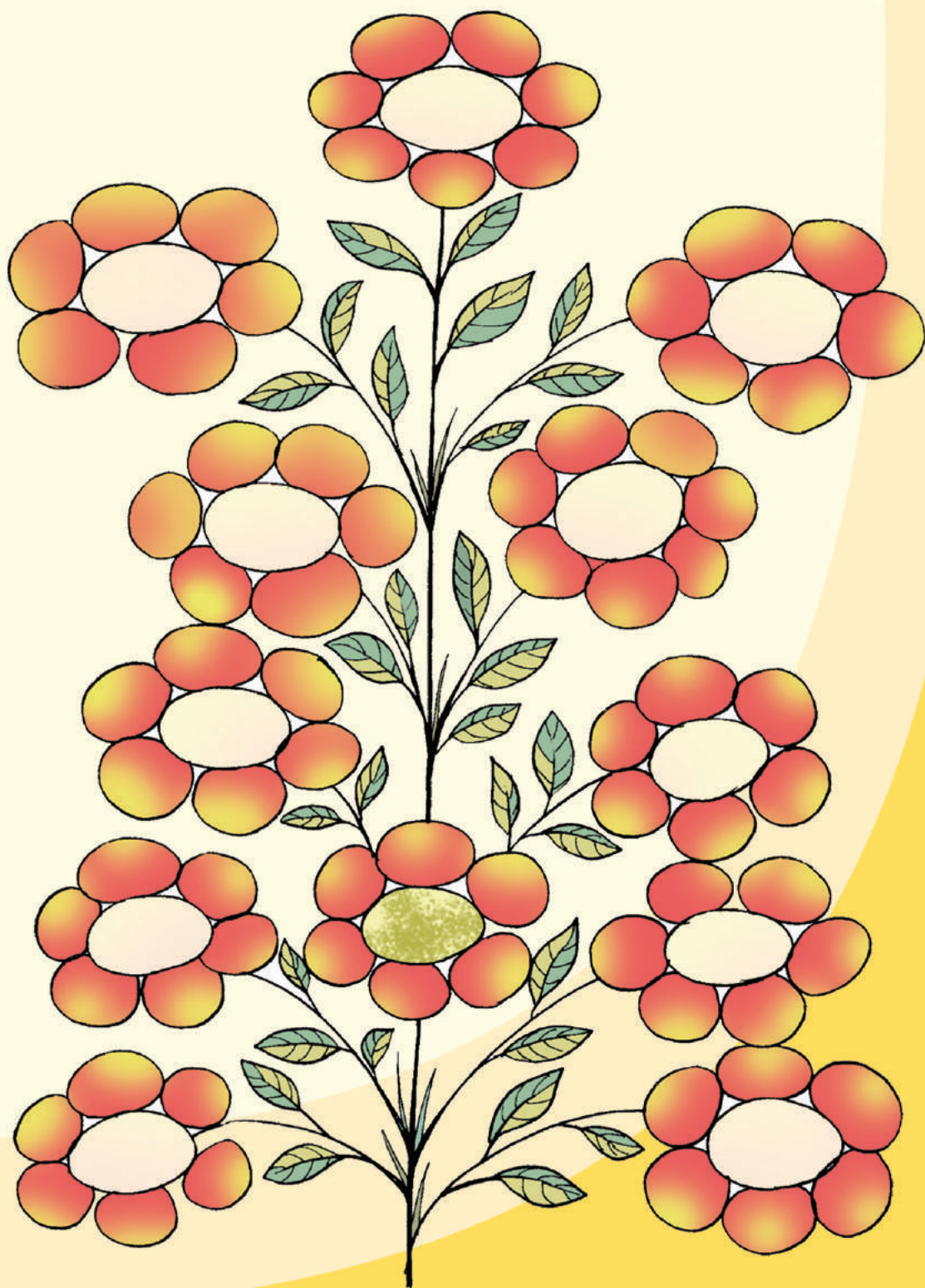
Calendar



Write the months in the calendar in order.

Who? When?

Label each flower with the name of a month.
Find the months on which some of your friends were
born and write their names in those flowers.





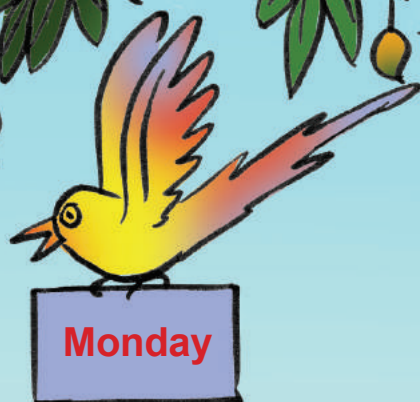
Mango days

On Monday morning,
One mango fell from the tree

On Tuesday morning,
Two mangoes fell from the tree

On Wednesday morning,
Three mangoes fell from the tree

On Thursday morning,
Four mangoes fell from the tree

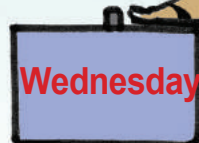


On Friday morning,
Five mangoes fell from the tree

On Saturday morning,
Six mangoes fell from the tree

On Sunday morning,
Seven mangoes fell from the tree

On all these days together,
How many mangoes fell from the tree?



Find out the month



School Starts



Independence Day



Gandhi Jayanthi



Children's Day



Teachers' Day



Republic Day

