

Mathematics

Part 2

Standard II



**Government of Kerala
Department of General Education**

Prepared by

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

2025

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 my parents, teachers and all elders, respect and treat everyone with courtesy.

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

II

Mathematics

Prepared by

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Dear Children,

The class two Mathematics textbook has been designed with a variety of resources to make learning math enjoyable.

You will be able to complete the activities in this book with fun and excitement. Through this, you can also build new knowledge.

May this book help you to reach greater heights of understanding, by exploring different ways to solve mathematical problems.

With love and regards,

Dr. Jayaprakash R.K.

Director,
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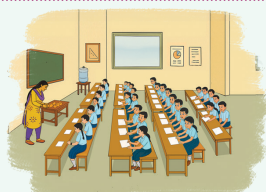
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THE CONSTITUTION OF INDIA

PREAMBLE

WE, THE PEOPLE OF INDIA, having solemnly resolved to constitute India into a ¹**[SOVEREIGN SOCIALIST SECULAR DEMOCRATIC REPUBLIC]** and to secure to all its citizens :

JUSTICE, social, economic and political;

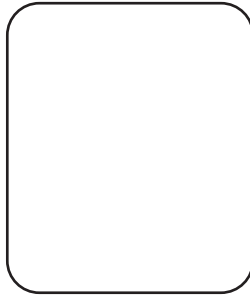
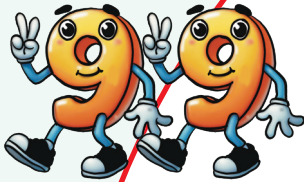
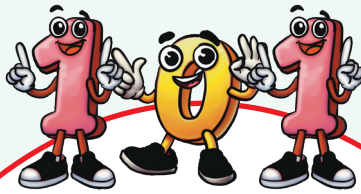
LIBERTY of thought, expression, belief, faith and worship;

EQUALITY of status and of opportunity; and to promote among them all

FRATERNITY assuring the dignity of the individual and the ²[unity and integrity of the Nation];

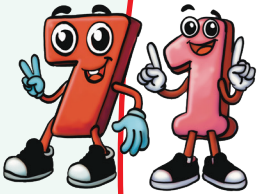
IN OUR CONSTITUENT ASSEMBLY this twenty-sixth day of November, 1949 do **HEREBY ADOPT, ENACT AND GIVE TO OURSELVES THIS CONSTITUTION.**

-
1. Subs. by the Constitution (Forty-second Amendment) Act, 1976, Sec.2, for "Sovereign Democratic Republic" (w.e.f. 3.1.1977)
 2. Subs. by the Constitution (Forty-second Amendment) Act, 1976, Sec.2, for "Unity of the Nation" (w.e.f. 3.1.1977)



I.....

studying in class.....



My mother :

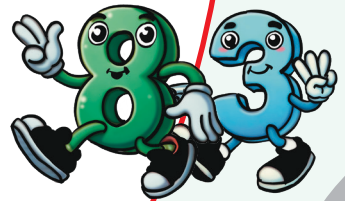
My father :

My teacher :

My school :

Phone No :

My Aadhar No. :

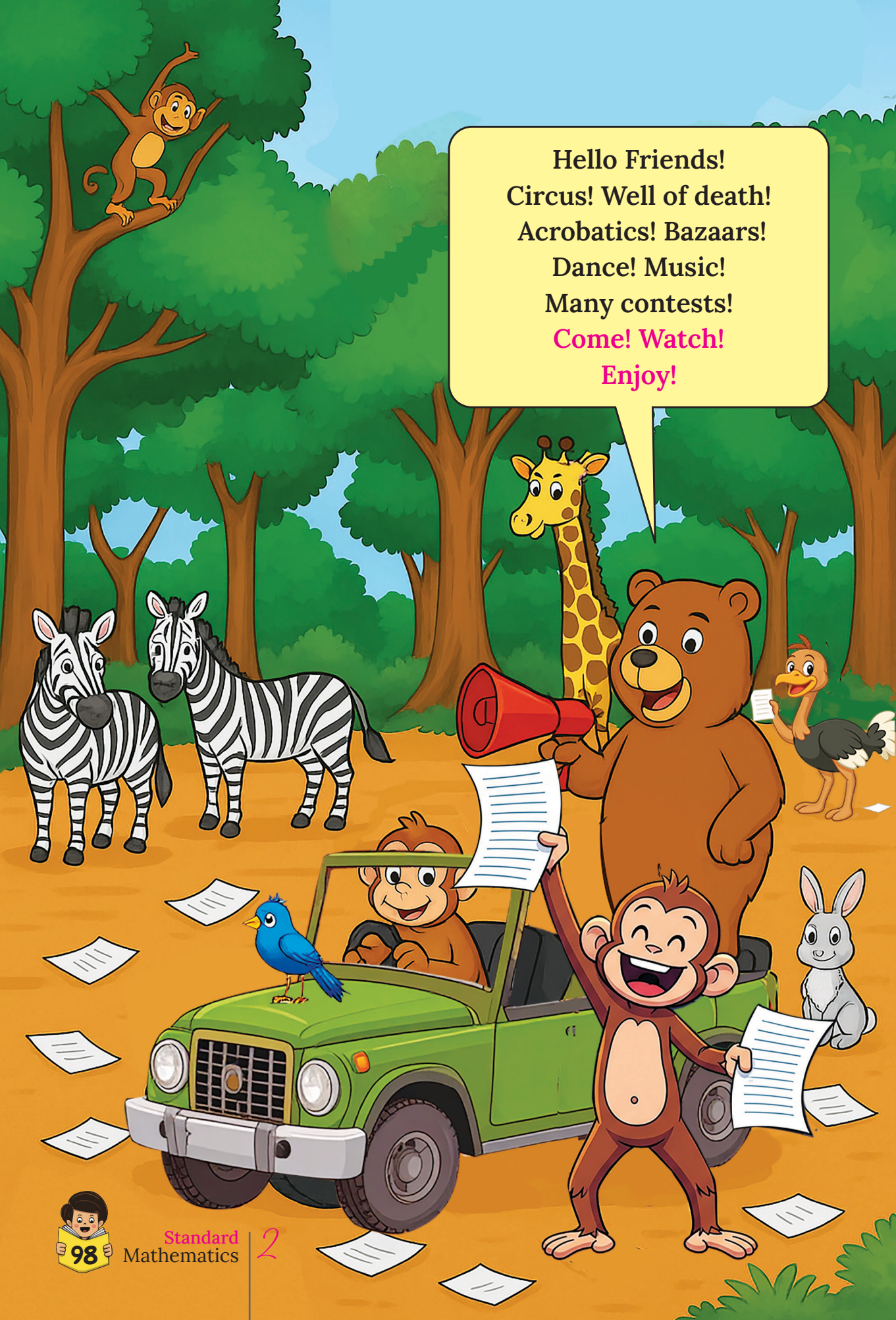




6

Forest Fest





Hello Friends!
Circus! Well of death!
Acrobatics! Bazaars!
Dance! Music!
Many contests!
Come! Watch!
Enjoy!

Dance of Mayilashan

Today there is a dance by Mayilashan.

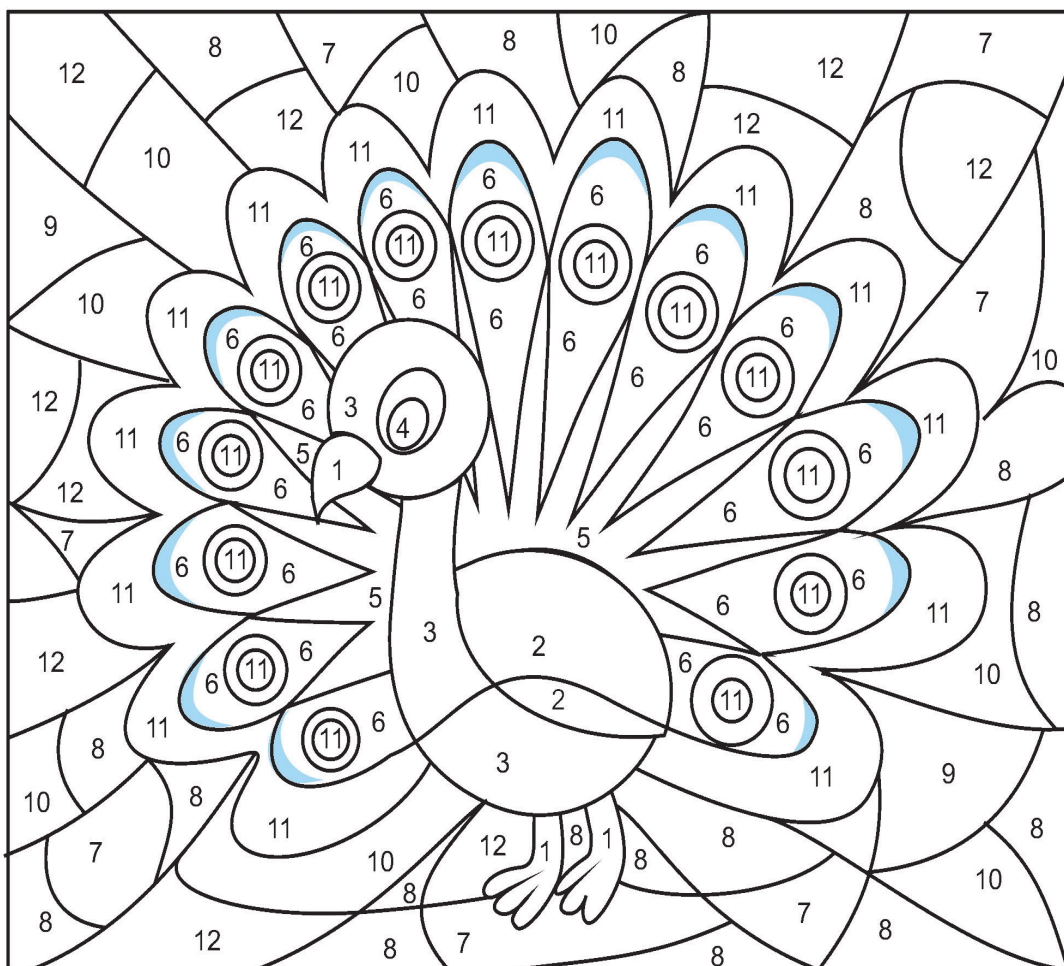
See his picture. Let's colour it and make it beautiful.

Find the answer to the problem in each box below.

Give colour of the boxes to respective answer.

White boxes mean no colour.

15 - 12	12 - 10	19 - 10	10 - 5	20 - 10	3 - 2
19 - 11	19 - 12	12 - 1	8 - 2	8 - 4	15 - 3



Dance

Many came to watch the dance.



Old monkey came with the young monkey.

They gave a 20-rupee note for the tickets.

How much did they get back? How much for the tickets?

For old monkey

8

rupees

For young monkey

6

rupees

Total

rupees



To find how much they get back,
take 14 from 20.

$$20 - 14$$

Taking 10 from 20 leaves 10.

4 from 10 leaves 6.

$$20 - 14 = 6$$

$$20 - 10 = 10$$

$$10 - 4 = 6$$

$$20 - 14 = 6$$

**It can be found
like this also.**

$$10 + 10 -$$

$$10 + 4$$

$$0 + 6 = 6$$

$$20 = 10 + 10$$

$$14 = 7 + 7$$

Taking 7 from
10 leaves 3

7 from the next
10 leaves 3

$$20 - 14 = 3 + 3 \\ = 6$$



Flying contest

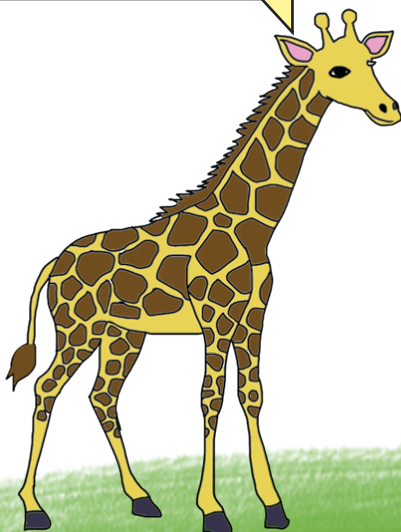
Flying contest at Meghamala.

There are 20 eagles in
the contest.

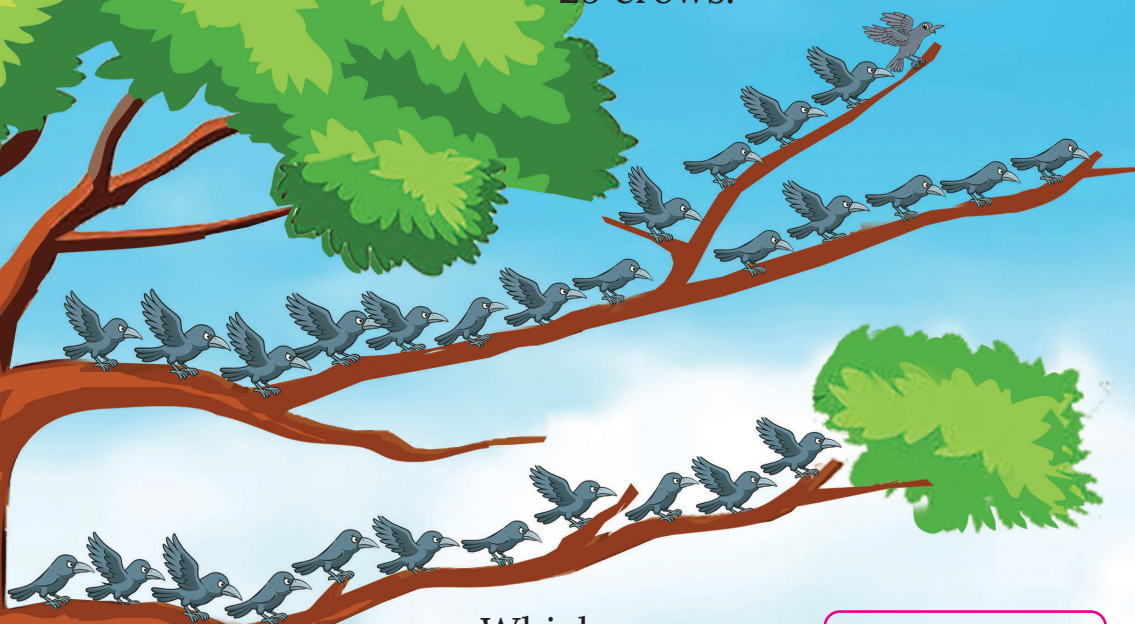
Chakki's wings
are broken.
She dropped out.

I want to
win this
time.

So,
the other 19
eagles will
take part.



Day of the flight contest!
Crows came with their families.
29 crows.



Which are more,
eagles or crows?

How many more?



For that, take away 19 from 29.

$$29 - 19$$

9 from 29 leaves 20.

10 from 20 leaves 10.

$$29 - 9 = 20$$

$$20 - 10 = 10$$

We can write
like this also.

$$20 + 9 -$$

$$10 + 9$$

$$10 + 0 = 10$$



Crows are sitting in two branches.
 Monkey counted them. 18 crows in one branch.

So, how many in the other branch?

Take 18 from 29.

$$29 - 18$$

10 from 29 leaves 19.
 8 from 19 leaves 11.

$$\begin{array}{r} 29 - 10 = 19 \\ 19 - 8 = 11 \end{array}$$

$$\begin{array}{r} 29 - 18 \\ 20 - 10 = 10 \\ 9 - 8 = 1 \\ \hline 29 - 18 = 11 \end{array}$$

We can write like this also.

$$\begin{array}{r} 20 + 9 - \\ 10 + 8 \\ \hline 10 + 1 = 11 \end{array}$$

What
I found.



How many crows are there in the first
 branch than the second?

To find how many
 more, we will have to
 take away 11 from 18.

What I did.
 10 from 18 leaves 8.
 1 from 8 leaves 7.

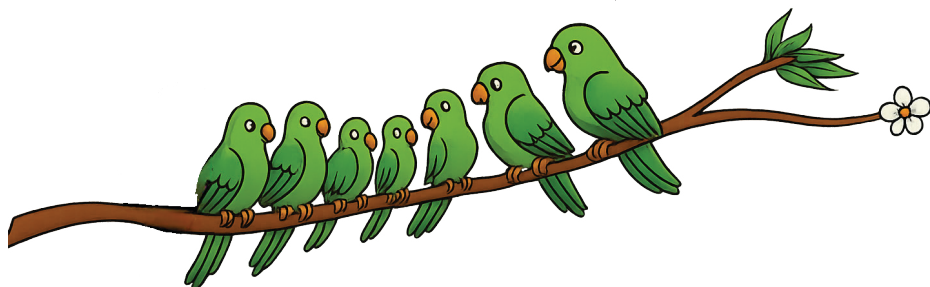
What my friend did.
 8 from 18 leaves 10.
 3 from 10 leaves 7.

Another way

$$\begin{array}{r} 10 + 8 - \\ 10 + 1 \\ \hline 0 + 7 = 7 \end{array}$$

Parrots also came to take part in the contest.
7 sat on the lower branch. Others sat on the upper branch.

If someone came down from the upper branch, we would have the same number on both branches.



So, how many parrots on upper branch?

How many parrots in all?

How many more crows are than parrots?

How did you find out?

Sparrows

Sparrows also came to take part in the contest.

35 sparrows in all. They sat in 3 branches.

15 sparrows on the first branch.

6 sparrows less on the second branch.

How many sparrows are there on the third branch?

On the first branch

15

On the second branch

$$15 - 6 =$$



On these two branches together

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

On all the branches together

$$\boxed{35}$$

How many on the third branch?

$$\boxed{35 - \dots} = \boxed{}$$

Is your answer correct? How do you check?

How I calculated ?

We are
35.



We are
29.



How many
sparrows are
more than
crows?



Take away the
number of crows
from the number
of sparrows.



25 from 35 leaves 10.
4 from 10 leaves 6.

$$35 - 25 = 10$$

$$10 - 4 = 6$$

$$35 - 29 = 6$$

$$35 - 29$$

$$\begin{array}{r} 30 + 5 - \\ 20 + 9 \end{array}$$

We can
write 35 as
 $20 + 15$

$$\begin{array}{r} 20 + 15 - \\ 20 + 9 \\ \hline 0 + 6 \end{array}$$

Another way is to find out how much added to 29 gives 35.

$$29 + 1 = 30$$

$$30 + 5 = 35$$

$$1 + 5 = 6$$



What is the difference between the number of sparrows and the number of parrots?

Number of sparrows is 35.

We have to take away the number of parrots from this.

$35 - 16$	$20 + 15 -$
$30 + 5 -$	$10 + 6$
$10 + 6$	$10 + 9 = 19$

To take away

6 from 15

$$15 - 5 = 10$$

$$10 - 1 = 9$$

How many eagles are less than sparrows?

$$35 - 19 = \boxed{}$$

There are 35 sparrows and 19 of us.

How I calculated



We can calculate like this also.

$$35 - 19$$

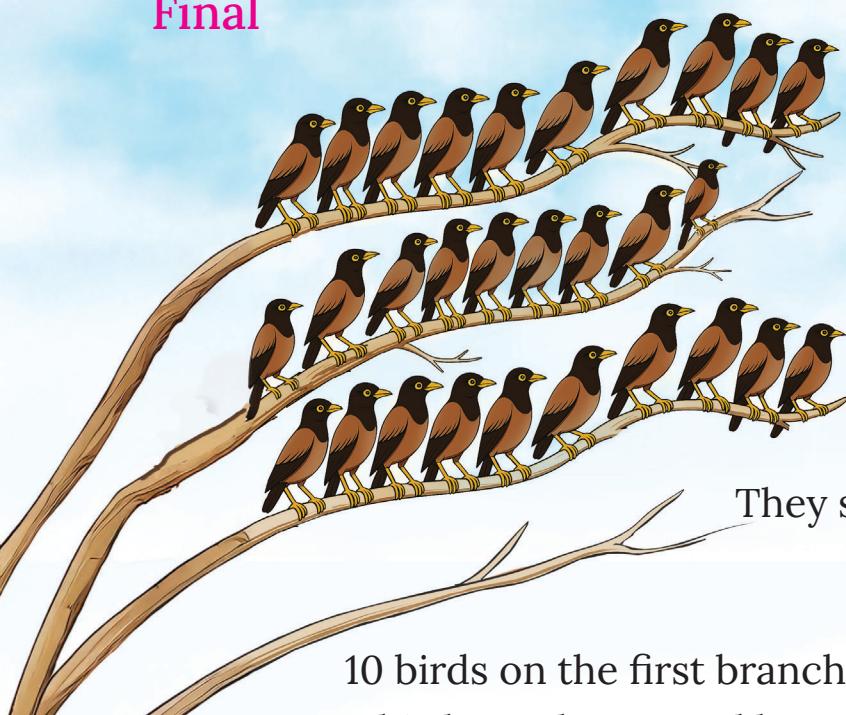
Take away 20 from 35
and then add 1 .

$$35 - 20 = 15$$

$$15 + 1 = 16$$



Final



42
birds came to
watch the
final.

They sat in 4 branches.

10 birds on the first branch.

9 birds on the second branch.

10 birds on the third branch.

The remaining birds on the fourth branch.

How many birds are on the fourth branch?

30 from 42 leaves 12
So 29 from 42 leaves 13.

We can do like this also.

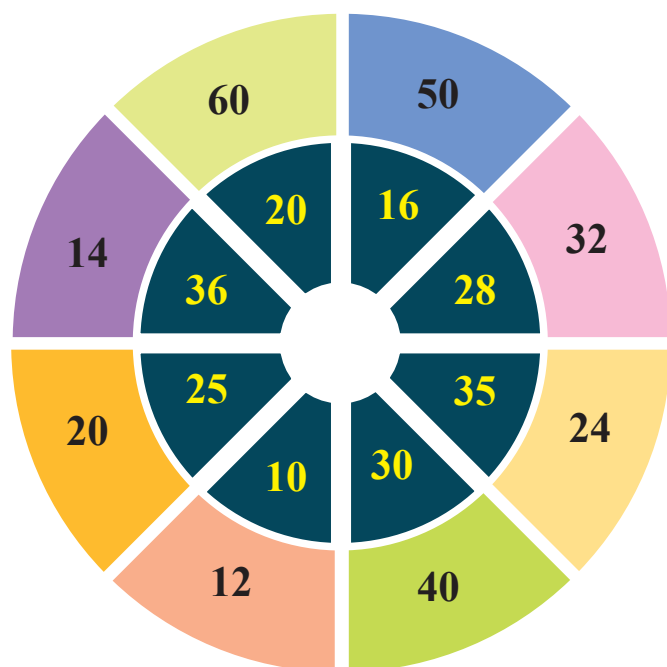
$$\begin{array}{r} 42 - 29 = 30 + 12 - \\ \quad \quad 20 + 9 \\ \hline \quad \quad 10 + 3 = 13 \end{array}$$

Is there any other way?

Darts

All are playing darts!

Deer, monkey, peacock...



Each player can throw two darts. If the difference of the numbers hit is a number on the board, then there is a prize of **50** rupees.

I got 60 and 28.

Does the fox get the prize?



Who among these got prizes?

Bear	60	20
Monkey	28	16
Peacock	50	36
Deer	36	28

How I calculated

The prize-winners

Fruit Stall



Monkey bought banana for 40 rupees and mangoes for 45 rupees. He gave two 50-rupee notes.

How much does he get back?

How did you calculate?

Is there any other method?

Elephant bought sugarcane and coconut leaves for 90 rupees. The price of sugarcane is 62 rupees.

What is the cost of coconut leaves?

How did you calculate? Explain it to the class.
Then write it down.

Circus

Circus starts at 4 pm.



7 monkeys came to watch the circus.

20 rupees for a chair and 10 rupees for a seat in the gallery.

How much more for chairs than gallery seats for all?



We can find without calculating the total amounts separately.



How did you calculate it?



How many rabbits?

There were rabbits also at the Forest fest.

85 rabbits in all 23 of them are young.

How many grown-up rabbits?

There are 38 female rabbits.

How many male rabbits?

Jamun

There were three animals in the final round of the jamun gathering contest.

See how many jamuns each animal collected...

Find the number of jamuns each collected the third time.

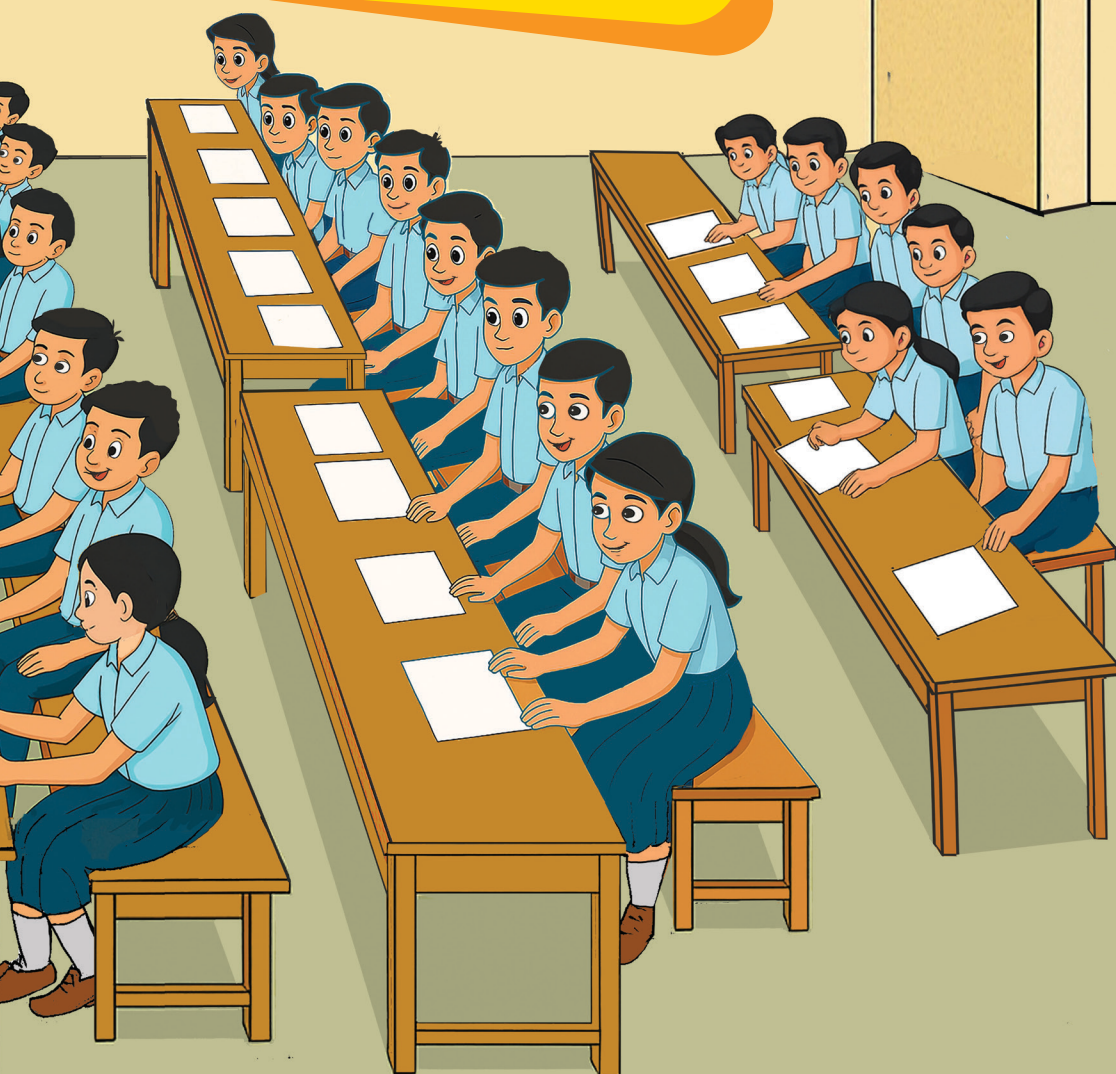
Name	Total	First Time	Second Time	Third Time
Jimbu Monkey	89	22	27	
Mittu Rabbit	72	24	29	
Chemban Squirrel	90	23	28	





7

Among Friends



Orange distribution



The teacher came with some oranges.

Teacher gave 2 oranges each to 5 children on the bench on her left.

How many oranges did she give in all?

$$2 + 2 + 2 + 2 + 2 = 10$$

Then she gave 2 oranges to 4 students sitting on the bench on her right.

How many oranges in all?

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



How many oranges did she give in all to children on both the front benches?

$$2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 = 18$$

How many oranges she gave out first?

$$2 + 2 + 2 + 2 + 2 = 10$$

5 sets of 2.

5 times 2.

This is written as 5×2

5 times 2

$$5 \times 2 = 10$$

How many she gave out next?

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

4 sets of 2 .

4 times 2.

This is written as 4×2

4 times 2

$$4 \times 2 = 8$$

How many she gave in all?

$$2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 = 18$$

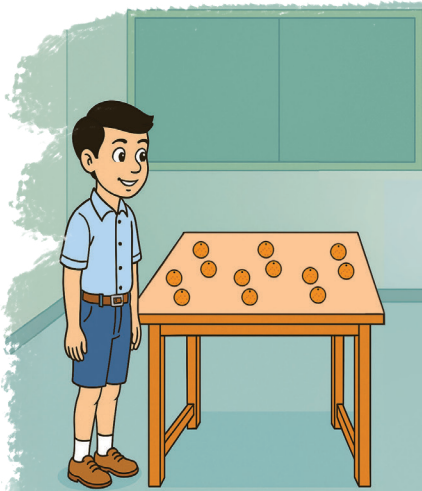
9 sets of 2.

9 times 2.

This is written as 9×2

9 times 2

$$9 \times 2 = 18$$



Teacher put some more sets of oranges on the table.
Anu counted the sets.

How many sets?

6

How many oranges in each set?

2

How many oranges in all?

$$6 \text{ times } 2 = 6 \times 2 = 12$$



She gave 2 oranges to each of the remaining 7 boys and 8 girls.

How many oranges in all to the boys?

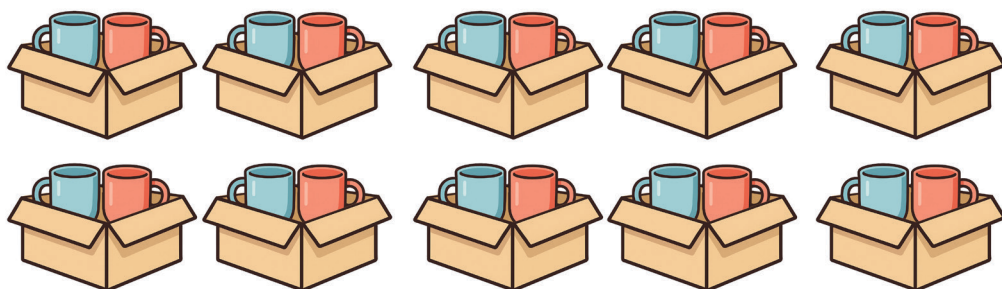
$$7 \times 2 = 14$$

How many oranges in all to the girls?

$$8 \times 2 = 16$$

Gift distribution

Teacher has brought gifts for all.



2 cups in each box.

Nima counted them. 10 boxes.

How many cups in all?

10 times 2.

$$2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2$$

$$10 \times 2 = \dots\dots\dots$$



3 boxes of 2 cups.

$$3 \text{ times } 2 = 3 \times 2 = \dots\dots\dots$$



2 boxes of 2 cups.

$$2 \text{ times } 2 = \dots\dots\dots \times \dots\dots\dots = \dots\dots\dots$$



1 box of 2 cups.

$$1 \text{ times } 2 = \dots\dots\dots \times 2 = \dots\dots\dots$$

Complete as in the first line:

3 times 2	$2 + 2 + 2$	3×2	$= 6$
4 times 2	.....	.....	$=$ .....
6 times 2	.....	.....	$=$ .....
2 times 2	.....	.....	$=$ .....

Complete as in the first line:

$8 \times 2 =$	$2+2+2+2+2+2+2+2$	8 times 2	$= 16$
$7 \times 2 =$	.....	.....	$=$ .....
$9 \times 2 =$	.....	.....	$=$ .....
$5 \times 2 =$	.....	.....	$=$ .....
$10 \times 2 =$	.....	.....	$=$ .....

Coin Game

Teacher gave 2-rupee coins to all the children.

Look at the table to see how many coins each got.

Calculate the amount each one got and write in the table.

Name	Number of 2-rupee coins	Total Amount
Aadi	6	$6 \times 2 = 12$ Rupees
Sreenu	3	
Anu	8	
Saya	5	
Evan	4	

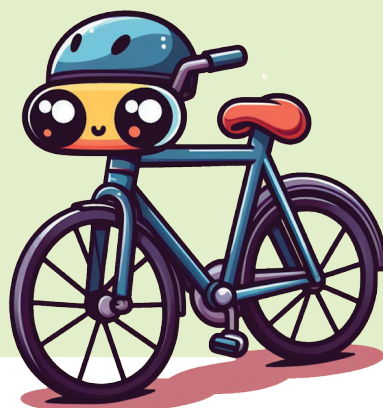


Bicycle song

Children began to count wheels.

One cycle, two wheels
Two cycles, four wheels
Three cycles, six wheels
Four cycles, eight wheels
Five cycles, ten wheels

.....
.....
.....



Ball game



A new game. The teacher divided the children into groups. When she says a number, each group should arrange the balls in sets of that number.

Teacher said, "Five".

See, how the first group arranged the balls.



How many sets did the first group make?

How many balls in each set?

How many balls in all?

$$5 + 5 + 5 + 5 + 5 + 5 = 30$$

6 sets of 5

$$6 \text{ times } 5 = 30$$

$$6 \times 5 = 30$$

See what the second group did?

3 sets of 5

$$3 \text{ times } 5 = 15$$

$$5 + 5 + 5 = 15$$



$$3 \times 5 = 15$$

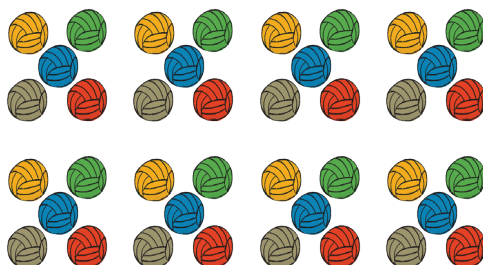
See what third group did?

$$5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 = 40$$

8 sets of 5

$$8 \text{ times } 5 = 40$$

$$8 \times 5 = 40$$



Fourth group made 10 sets of 5.

How many balls in all?

10 times 5

$$.. \times ... = ...$$



How many oranges did the first and second groups together get?

First group $6 \times 5 = 30$

Second group $3 \times 5 = 15$

Together they got

$$30 + 15 = 45$$

In all, 9 sets of 5.

$$9 \times 5 = 45$$

School bus

School time over.

Children stood in groups to get into the bus.



How many groups?

How many in each group?

How many children in all?

At first, five groups got into the bus.

How many children?

5 times 5.

$$\dots \times \dots = \dots$$

How many are left?

$$\dots \times \dots = \dots$$



One shoe flower has five petals

Two shoe flowers have ten petals

Three shoe flowers have fifteen petals



Four shoe flowers have twenty petals

Five shoe flowers have twenty five petals



.....
.....
.....

We can play

Teacher gave toy coins to all for coin game.



This time she gave five-rupee coins.

Niya got 6 coins and Siya got 3.

How many rupees did they get as toy money?

See the number of coins others got.
Complete the table.

Name	Number	Total Amount
Rahul	4	$4 \times 5 = 20$
Afsal	5	
Johny	3	
Athira	2	
Navami	1	
Gopika	7	

What amount did Athira and Rahul together get total as coins?

What about Johny and Gopika?

Great snacks!

Haya's and Niya's family are making *unniyappam* for school Snacks Fest.

10
unniyappam
in one packet.



Reena bought 3 packets of *unniyappam*.
How many *unniyappam* in all?

3 packets of 10 each.

$$10 + 10 + 10$$

3 times 10

$$= 3 \times 10$$

$$= 30$$

**3 times 10
is 30, right?**

Shiva bought 4 packets of *unniyappam*.

How many *unniyappam* in all?

$$10 + 10 + 10 + 10$$

..... times

$$..... \times =$$

How many *unniyappam* did Reena and Shiva buy together?

$$10 + 10 + 10 + 10 + 10 + 10$$

$$(3 \times 10) + (4 \times 10) = 7 \times 10$$

$$30 + 40 = 70$$

Sana bought 6 packets of *unniyappam*.

How many *unniyappam* did
Sana buy?



Let's write the number

5 packets

9 packets

8 packets

1 packets

Write the missing numbers

$$1 \times 10 = 10$$

$$2 \times \dots = 20$$

$$\dots \times \dots = 30$$

$$\dots \times \dots = \dots$$

$$\dots \times \dots = \dots$$

$$\dots \times \dots = \dots$$

$$\dots \times 10 = 70$$

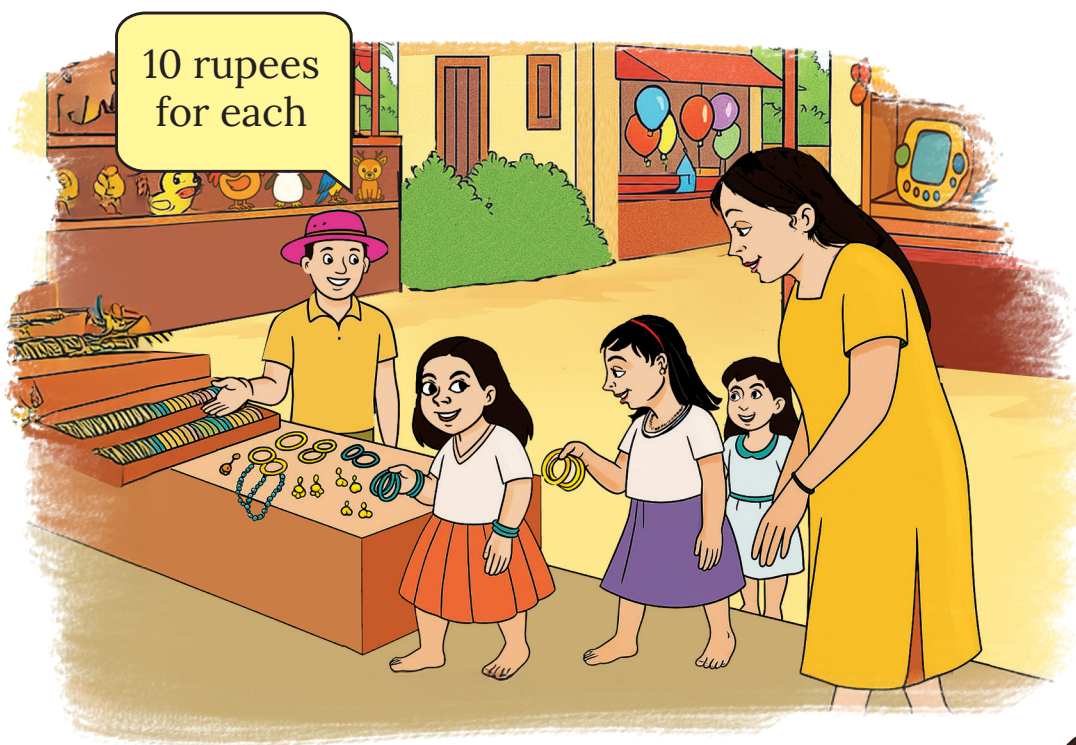
$$\dots \times \dots = \dots$$

$$\dots \times \dots = \dots$$

$$\dots \times \dots = \dots$$

Bangle, chain and ear ring

Haya, Nivya and their friends went to a shop with mother. They want bangles, chains and ear rings. They started selecting.



How much money?

Nivya bought 6 bangles and Haya bought 4.

How much should they pay?

Can you find in some other way?

How much do they get back?

Nivya bought 4 pairs of earrings and Haya bought 5 pairs.

If they give a 100-rupee note,
how much will they get as back?

How did you find out?

See what others bought.

How much should each pay?

Choose the correct answer from the boxes below .

Reena 5 pairs of earrings

$$5 \times 10 = \dots\dots$$

Lena 4 bangles

$$\dots \times \dots = \dots\dots$$

Rosy 8 pairs of earrings

$$\dots \times \dots = \dots\dots$$

Sana 3 chains

$$\dots \times \dots = \dots\dots$$

Shiva 7 bangles

$$\dots \times \dots = \dots\dots$$

40

50

80

70

30



One crab has ten legs
Two crabs have twenty legs
Three crabs have thirty legs
Four crabs have forty legs
Five crabs have fifty legs

.....
.....
.....

Here comes father...

Niya and Haya were waiting for their father in the evening. They heard the sound of a bike.

They ran out...

Father gave them the snack packet.



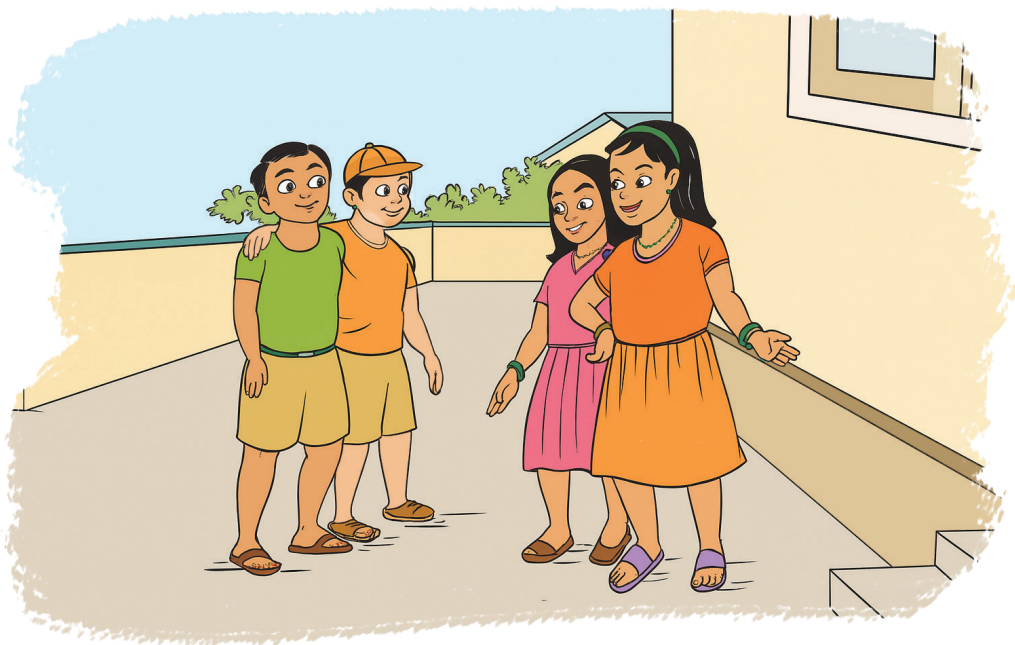
Father bought 8 laddus.

Father, mother, Nivya and Haya shared them equally.

How many did each get?

Let's play together!

It was a holiday. Prathyush and Malik came to Nivya and Haya's house to play.



"Let's play as two teams" said Nivya.
They stood on the two sides of a line.

How many in each team?

Nishi and Sanu came by.

How many now?

Each joined a team.

Now, how many in each team?

When 4 children split into 2 teams, each team has 2.

When 6 split into 2 teams, each team has 3.

If 8 children split into 2 teams, how many in each team?

Token game

There are tokens marked 2, 5, and 10 points.

Each gets 10 tokens. Winner is the one with most points.

See the number of tokens some children got.

Calculate the total points each got.

Name	2	5	10	Total Points
Kani	4	4	2	$4 \times 2 = 8$ $4 \times 5 = 20$ $2 \times 10 = 20$ 48
Thanu	8	1	1	$8 \times 2 = \dots$ $\dots \times 5 = \dots$ $\dots \times 10 = \dots$
Amal	4	2	4	$\dots \times 2 = \dots$ $\dots \times 5 = \dots$ $\dots \times 10 = \dots$
Nila	1	3	6	$\dots \times 2 = \dots$ $\dots \times 5 = \dots$ $\dots \times 10 = \dots$

Who got the most points?

Who got the least points?

What is the maximum points one can get in this game?

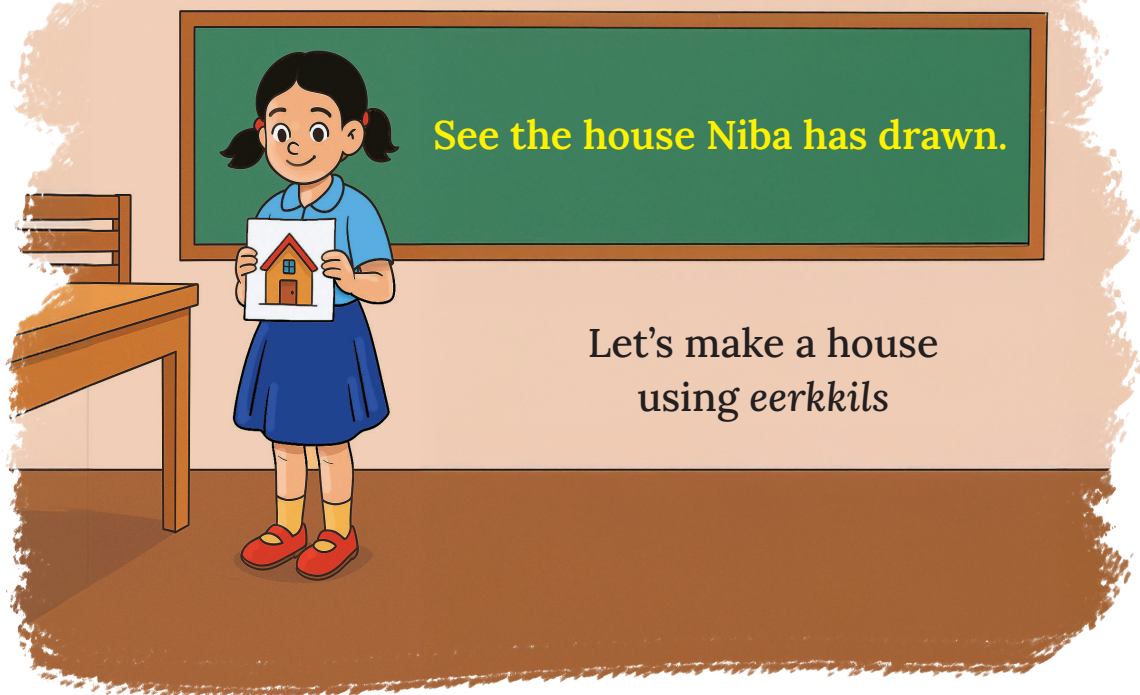


8

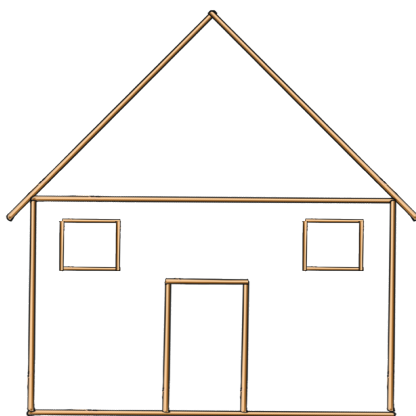
Let's Measure



Niba's House



This is the picture of the house Niba made.



How many *eerkkils* did Niba use?

Long and short *eerkkils* are used to make the house.

Let us also make a house?

We need some *eerkkils* of the same length.

How do we cut pieces of the same length?

Discuss with your friends.

I am also
making an
eerkkil house.

See the 2 *eerkkils*
for the walls.

Mark the longer
piece with a tick ✓

Are you sure you ticked the longer one?

How do you check?

How do you make the lengths equal?

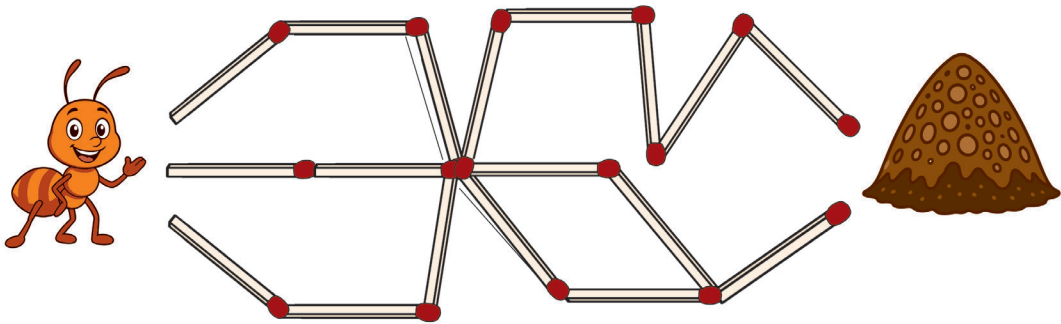
Put them
side by side
to find the
longer one.

Cut other *eerkkils* like this
and paste them to make a
beautiful house.

Shortest route

Niba came to school the next day with a problem,
“Take Kunjan home”.

Kunjan can go home only along the matchsticks.

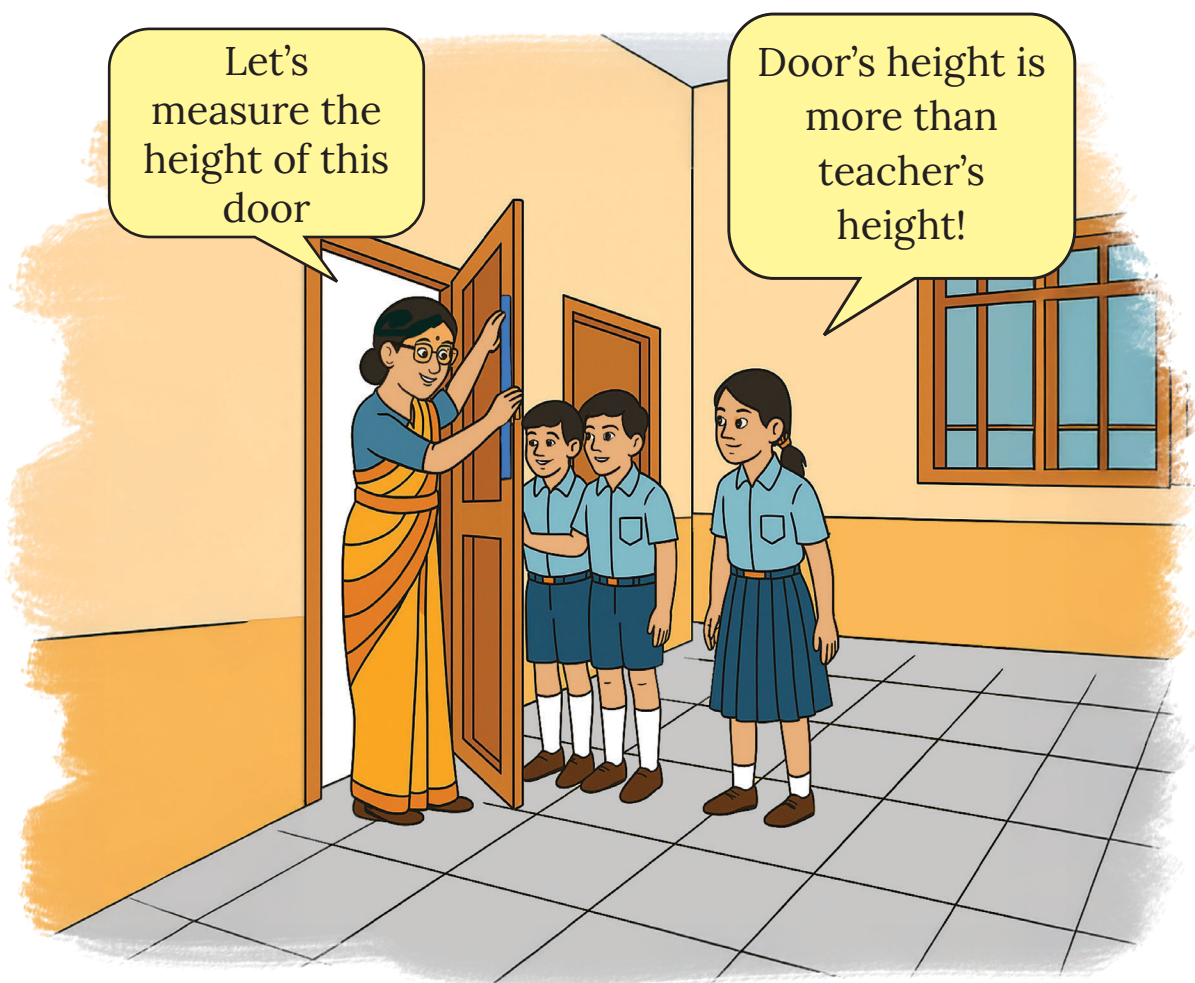


Aren't there different routes for Kunjan to go home?
How many matchsticks in each route?
Write in the table below.

Route	Distance to home
1	 matchsticks
2	 matchsticks
3	 matchsticks
4	 matchsticks
5	 matchsticks
6	 matchsticks
7	 matchsticks
8	 matchsticks
9	 matchsticks

How many matchsticks are there in the shortest route?

Let's measure the length



Measure the length of a bench and a desk in your class using a stick.

What I found out.

Length of desk

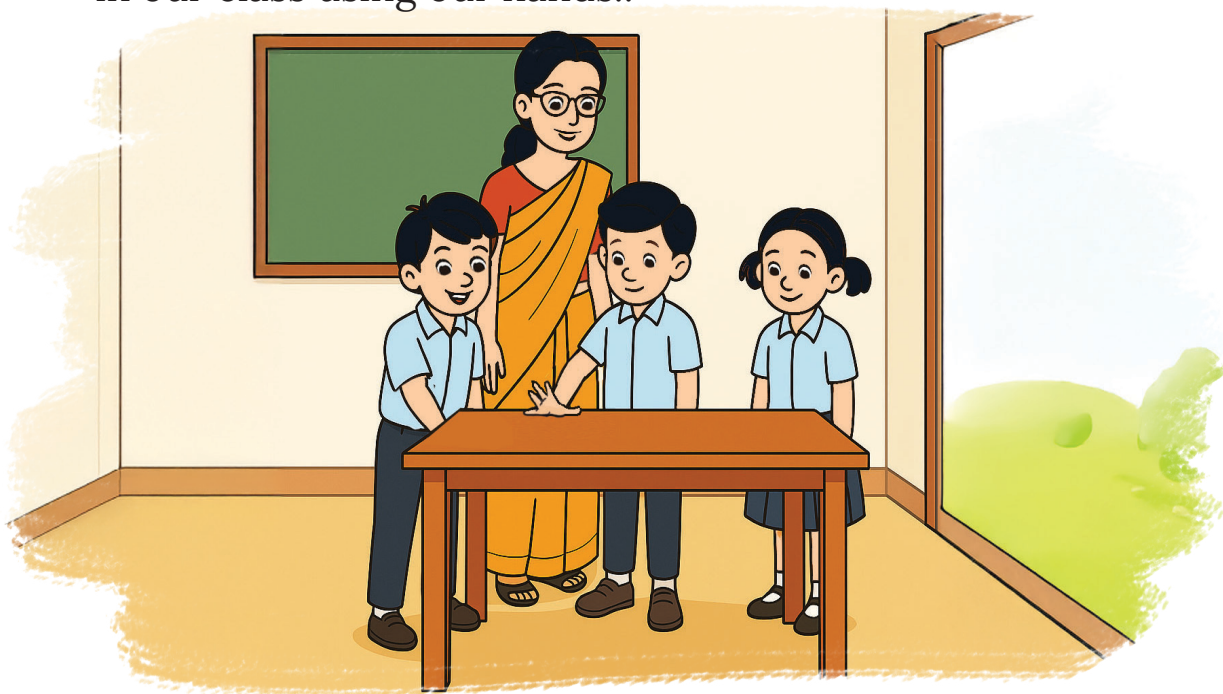
sticks

Length of bench

sticks

Let's measure the length of a table

Let's measure the length of the table
in our class using our hands..

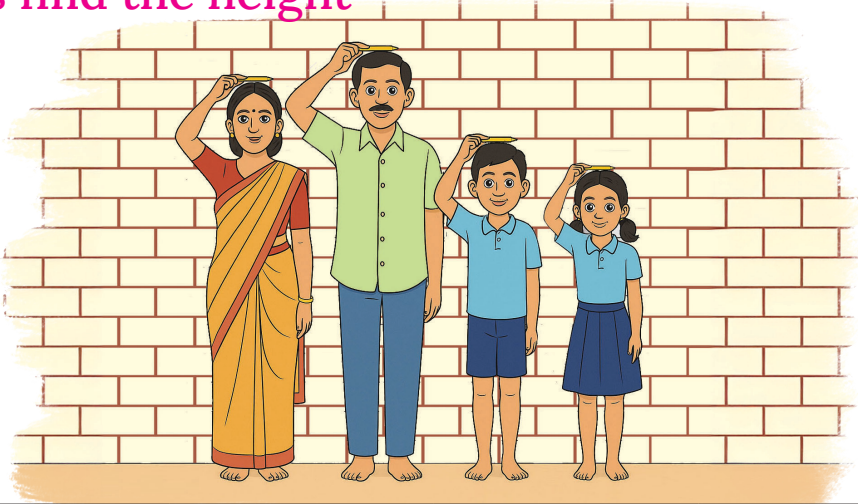


	I measured	My friend measured	My teacher measured
Length of the table	 spans	 spans	 spans
Height of the table	 spans	 spans	 spans

Did you and the teacher get the same measurements?

What I found out

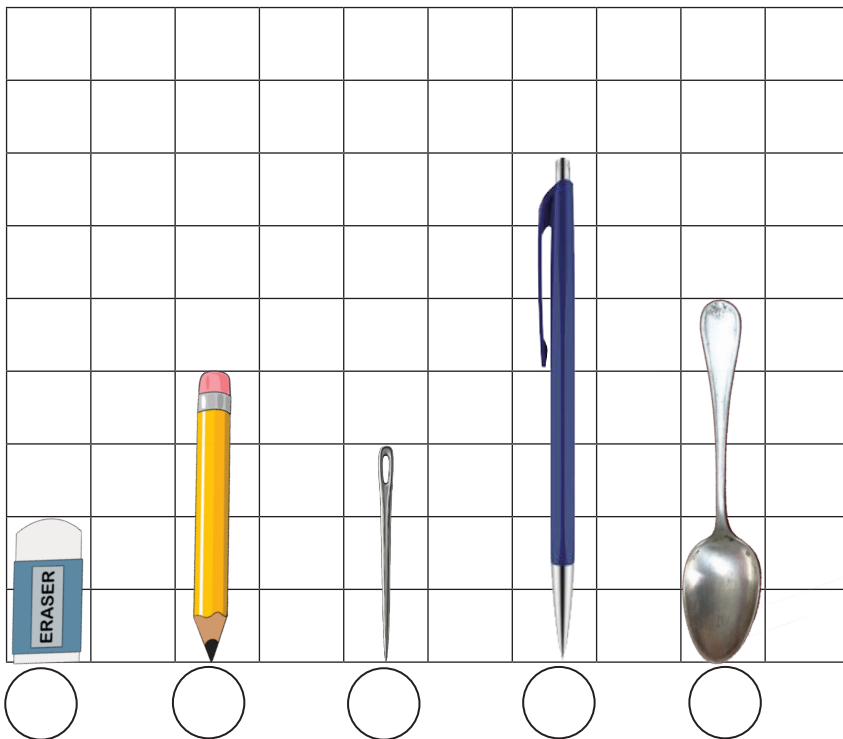
Let's find the height



Height of Mother	Height of Father	Height of Niba	Height of Brother
13 bricks			

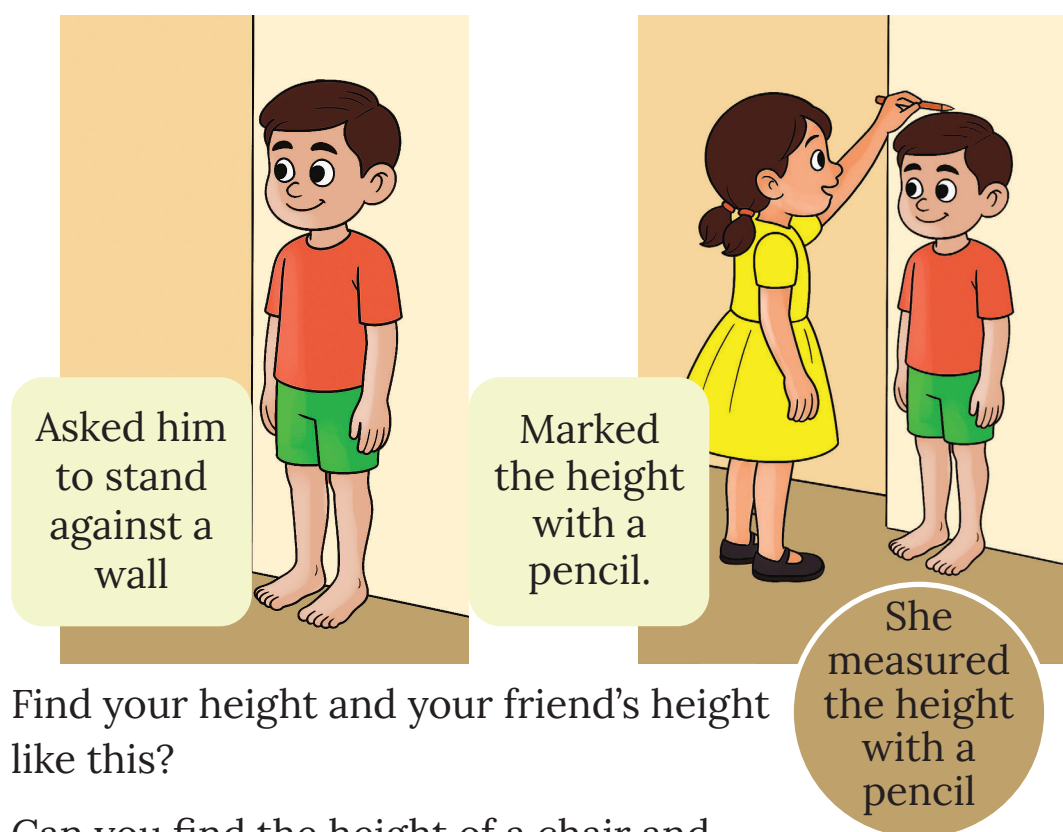
Look at the things below.

Write **1** below the longest, **2** below the second longest, **3** below the next longest and so on.



- ☐ Pencilsquares
- ☐ Spoonsquares
- ☐ Erasersquares
- ☐ Pensquares
- ☐ Needlesquares

See how Niba measured her brother's height.



Find your height and your friend's height like this?

Can you find the height of a chair and length of a book like this?.

Height of the chairpencil

Length of the bookpencil

Which is more?

How much more?

Thicker tree



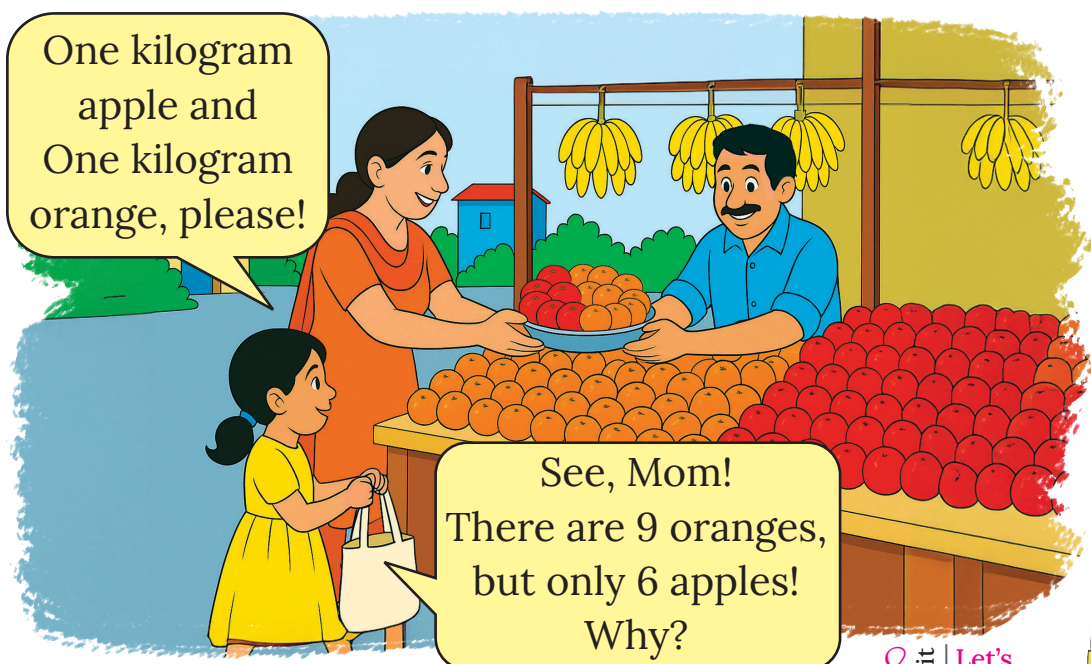
Find the thickness of some trees in the school ground using a string. Which tree is the thickest?

Standing jump

In your class, who can jump the farthest?
Mark the distance they jumped and
measure using your foot.

Heavier and lighter

Niba and her mother at the fruit shop.

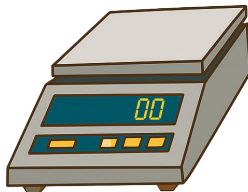
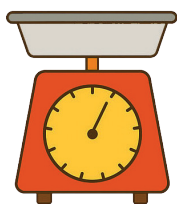


Do you know why this is so?

Which one is heavier? An orange or an apple?

How do we find out?

See the devices used to weigh things.



Balance

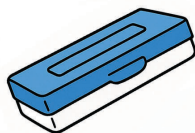
What all items are needed?

How do we make it?

Make a balance as in the picture.

Which is the heaviest thing in you bag?

Find out and circle its picture.

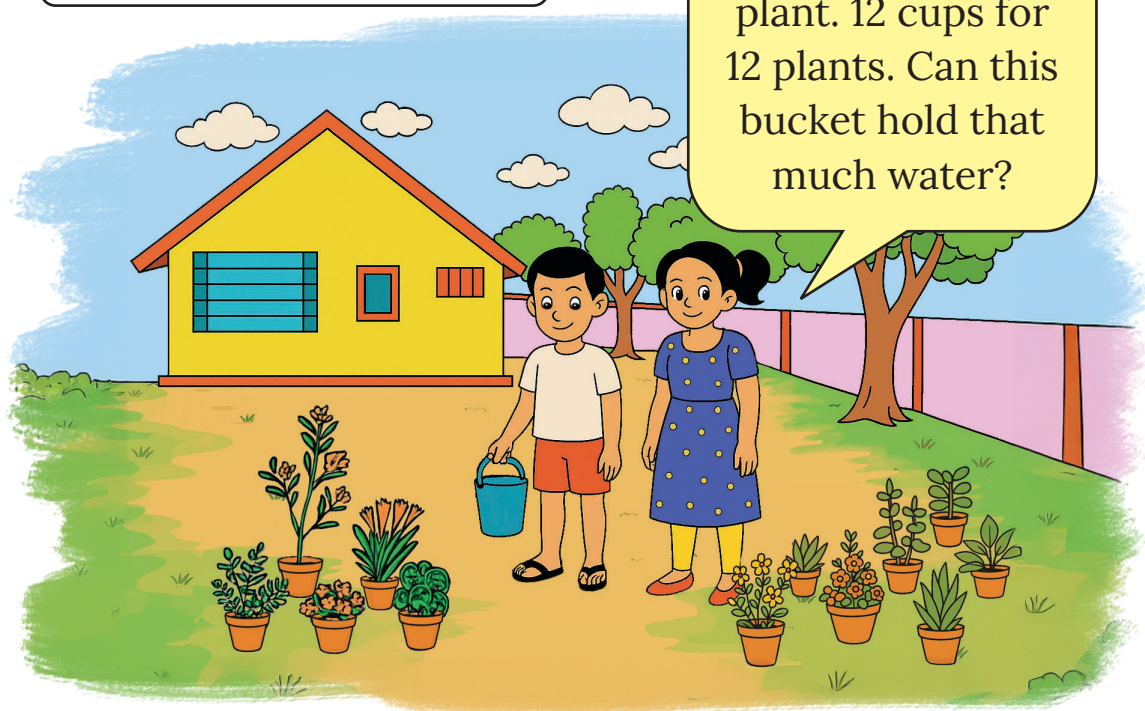


Let's measure water

How many glasses of water are needed to fill each of these vessels?

Vessel	Guess	Correct measurement
Water bottle		
Jug		
Pot		

Which vessel can hold the most water?



How many cups of water does the bucket in your house can hold? Can you guess?

How many cups of water were actually needed to fill the bucket?



9

Calendar Games

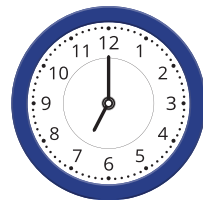
VANDE BHARATH
www.vande Bharat

Train Journey

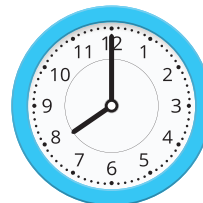


Heera and family are travelling on the Vandebharath train from Kasaragod to Shoranur. The train is travelling towards the south.

Train started at 7 in the morning.
See, how the time is shown in the clock.



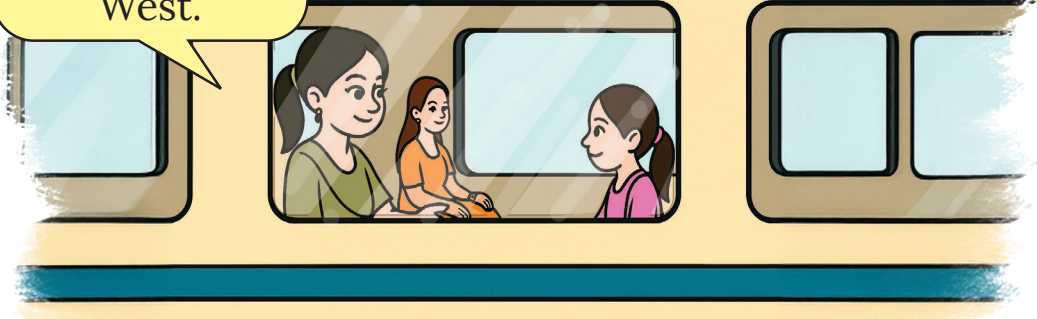
Train reached Kannur.
Tea and snacks were brought.
See the time, the train reached Kannur.
8 o'clock.



Train took one hour to reach Kannur from Kasaragod.



Heera,
Arabian
Sea is to the
West.



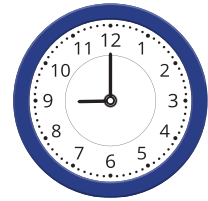
Train started. Looking out of the window
watching rivers, lakes and sea... Time went by.

The train stopped.

Father said, "Reached Kozhikode."

"What's the time dad?" Heera asked.

"It's nine", father said.



The train took one hour to reach
Kozhikode from Kannur.

So, how much time did the
train take to travel from
Kasaragod to Kozhikode?

Next station
is Tirur.
Then comes
Shoranur.



Their train started. Then a train to the north went by.

“When will we reach Shoranur?”, Heera asked.

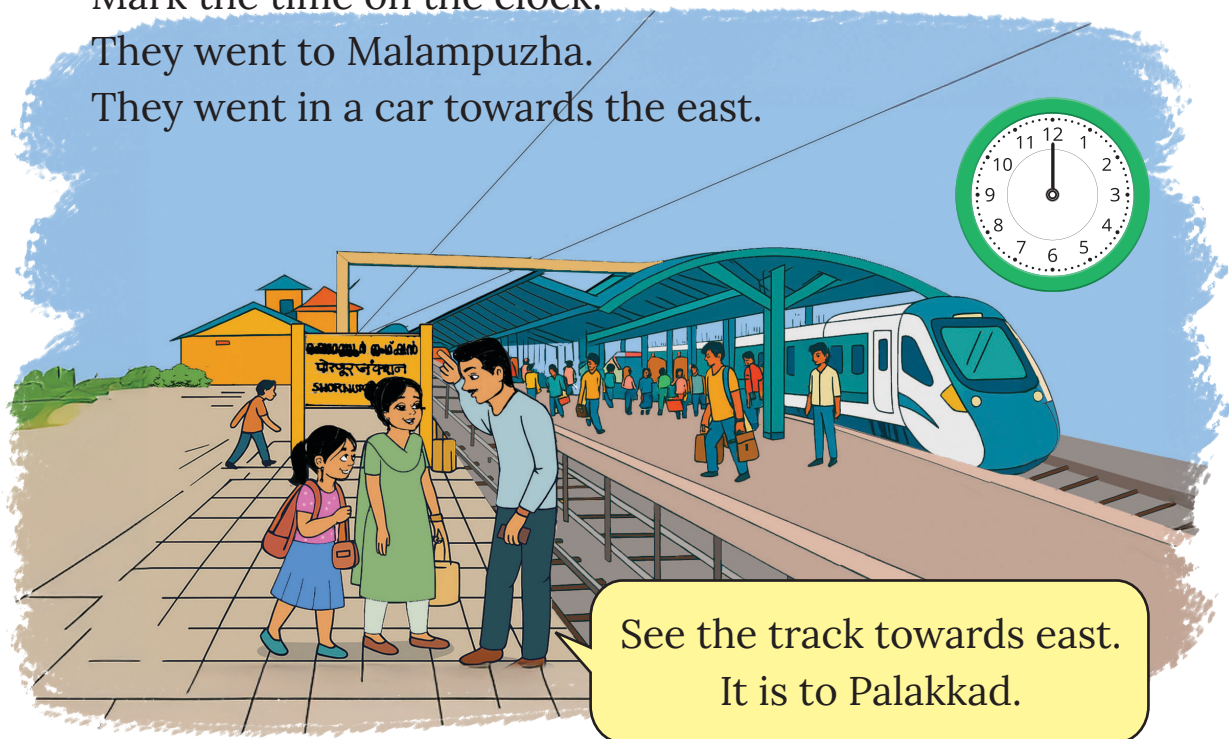
“By ten”, said father.

They got out of the train at 10 o'clock at Shoranur.

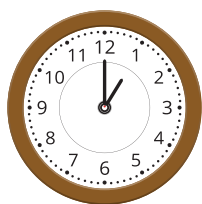
Mark the time on the clock.

They went to Malampuzha.

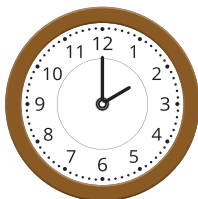
They went in a car towards the east.



They reached
Malampuzha dam at 1.



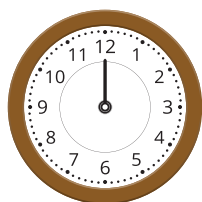
Let's write the time.



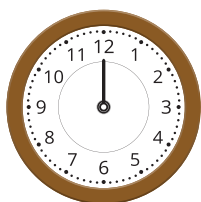
2 o'clock



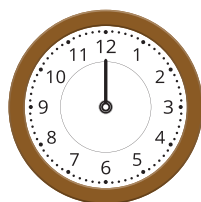
Mark the time on the clock.



8 o'clock



5 o'clock



3 o'clock

How many days?

Heera and family came to Palakkad to attend uncle's marriage.

They started from Kasaragod on the 9th and returned home on 13th night.

For how many days they were not at home?

Colour those dates on the calendar.

Count the days and write the number..

DECEMBER ഡിസംബർ 2025						
ഞായർ SUNDAY	തിങ്കൾ MONDAY	ചൊവ്വ TUESDAY	ബുധൻ WEDNESDAY	വ്യാഴം THURSDAY	വെള്ളി FRIDAY	ശനി SATURDAY
★	1 15	2 16	3 17	4 18	5 19	6 20
7 21	8 22	9 23	10 24	11 25	12 26	13 രണ്ടാം ശനി 27
14 28	15 29	16 1	17 2	18 3	19 4	20 5
21 6	22 7	23 8	24 9	25 ക്രിസ്തുമസ് 10	26 11	27 12
28 13	29 14	30 15	31 16	★	★	★

On which day of the week did Heera and family start the journey?

On which day of the week
did they come back?

The marriage was on a
Wednesday.
What was the date?

Which are the dates they were not at home?

Ooty trip

After marriage, uncle and aunt went to Ooty.
They started on 14th, Sunday at 6 o' clock in the morning.



They returned on 20th. It was Saturday night.

How many days did they spend in Ooty?

Colour these days in the calendar.

Count the days and write down the number.

Which all days and dates? Write them.

Heera's Diary

See what Heera wrote
in her diary on 9th night.

Palakkad,
09.12.2025



Father, mother and I started our trip to uncle's house. We travelled on the Vandebharath train. We went southwards from Kasaragod. We went to Malampuzha dam in the afternoon. Then we walked the garden. The ropeway ride was a bit scary at first. Then I started watching the scenery below. It was great! We started for uncle's house in the evening. Reached his home at night.

Find the words related to time from the diary and write.

• Morning • • •

Let's look at the calendar

What all things are there in a calendar?

Sidhu and Heera are looking at a calendar.

I found out something. Names of the days of a week are in it.

December		ഡിസംബർ					2025	
ഞായർ SUNDAY	തിങ്കൾ MONDAY	ചൊവ്വ TUESDAY	ബുധൻ WEDNESDAY	വ്യാഴം THURSDAY	വെള്ളി FRIDAY	ശനി SATURDAY		
★	1	2	3	4	5	6		
7	8	9	10	11	12	13		
14	15	16	17	18	19	20		
21	22	23	24	25	26	27		
28	29	30	31	★	★	★		

What other things do you see in a calendar?
Write them down.

Let's sing a song about days of a week.



All nice things



Think of a nice thing each day

A shining sun on Sunday

A smiling moon on Monday

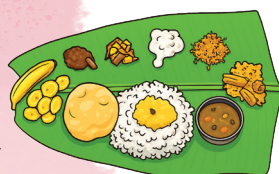
A lilting tune on Tuesday

A wedding feast on Wednesday

A thrilling trip on Thursday

A friendly hug on Friday

A satin dress on Saturday



The months are twelve

January, February
and March
April, May and June
July, August and September
October, November and December
These are all the months
And they are twelve
In number

Did I
get it
right?

Yeah...
Good!



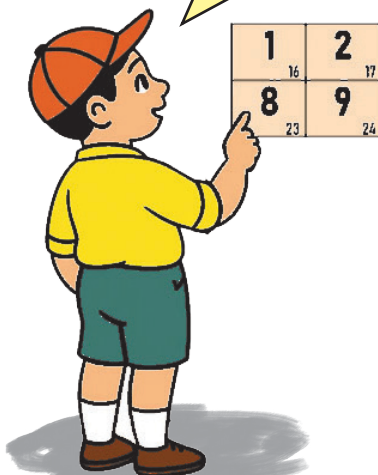
Observe the calendar and say.

Which are the months with 31 days?
Which are the months with only 30 days?
Which is the month with less than 30 days?

January
has
31 days.
But not all
months
are like
that.

Calendar game

Look at four squares
like this on the
calendar. See
anything special?



1	2
8	9

Got it!
If we add
diagonally,
we get the
same number.

September സെപ്റ്റംബർ 2025						
ഞായർ	തിങ്കൾ	ചൊവ്വ	ബുധൻ	വ്യാഴം	വെള്ളി	ശനി
★	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	★	★	★	★



1 and 9 is diagonally opposite.

2 and 8 is diagonally opposite.

1	2
8	9

$$1 + 9 = 10$$

$$2 + 8 = 10$$

1 and 8 in same column.

1 and 2 in same row.

Is it true for other squares? Check them.

6	7
13	14

8	9
15	16

17	18
24	25

.....

.....

“The difference of the sum of the first column and the sum of the second column is 2”, said Siddu.

6	7
13	14

Hey!
That's right.
 $6 + 13 = 19$
 $7 + 14 = 21$

Do this in other squares and check.

$$8 + 15 = \quad 17 + 24 = \quad 19 + 26 =$$

$$9 + 16 = \quad 18 + 25 = \quad 20 + 27 =$$

Find other squares like this from the calendar and write them down.



Difference
of numbers
in a
column is 7

That's right.

$$1 + 7 = 8$$

$$8 + 7 = 15$$

$$15 + 7 = 22$$

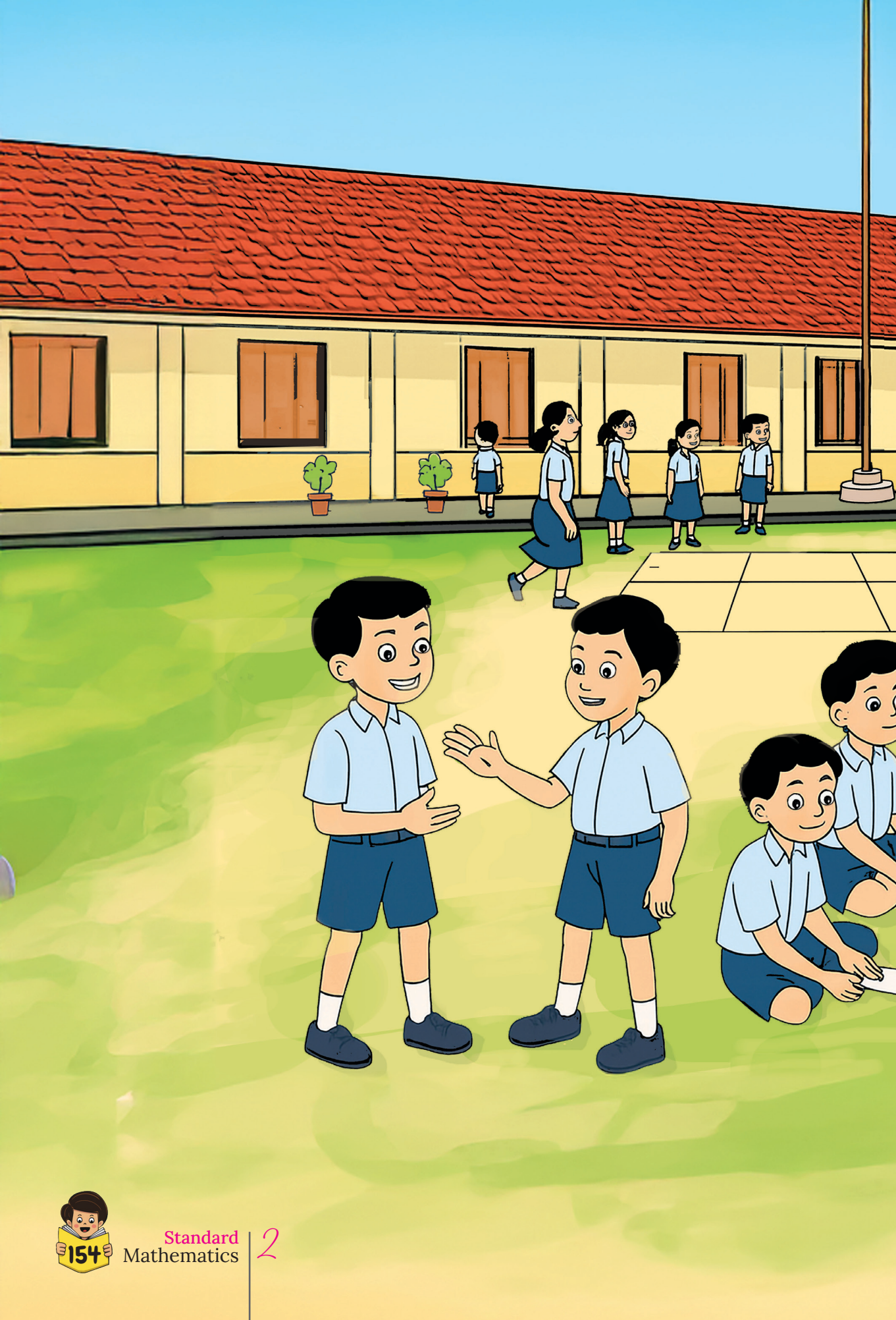


**Fill
in the
columns**

4	2
11	9
18	



Do you see any other relations between
numbers on a calendar?



10

Pretty Relations



Bead game



There is a heap of beads.

Each player takes some.

If they can be split into sets of two with nothing over, then the player gets a point.

Suma got 16 beads. Does she get a point?

See how many beads others got.

7, 22, 11, 10, 12, 14, 25, 18, 20, 19

Which of these can be split into sets of two without anything remaining?

And which of them leave one,
when split into sets of two?

Write some other numbers:

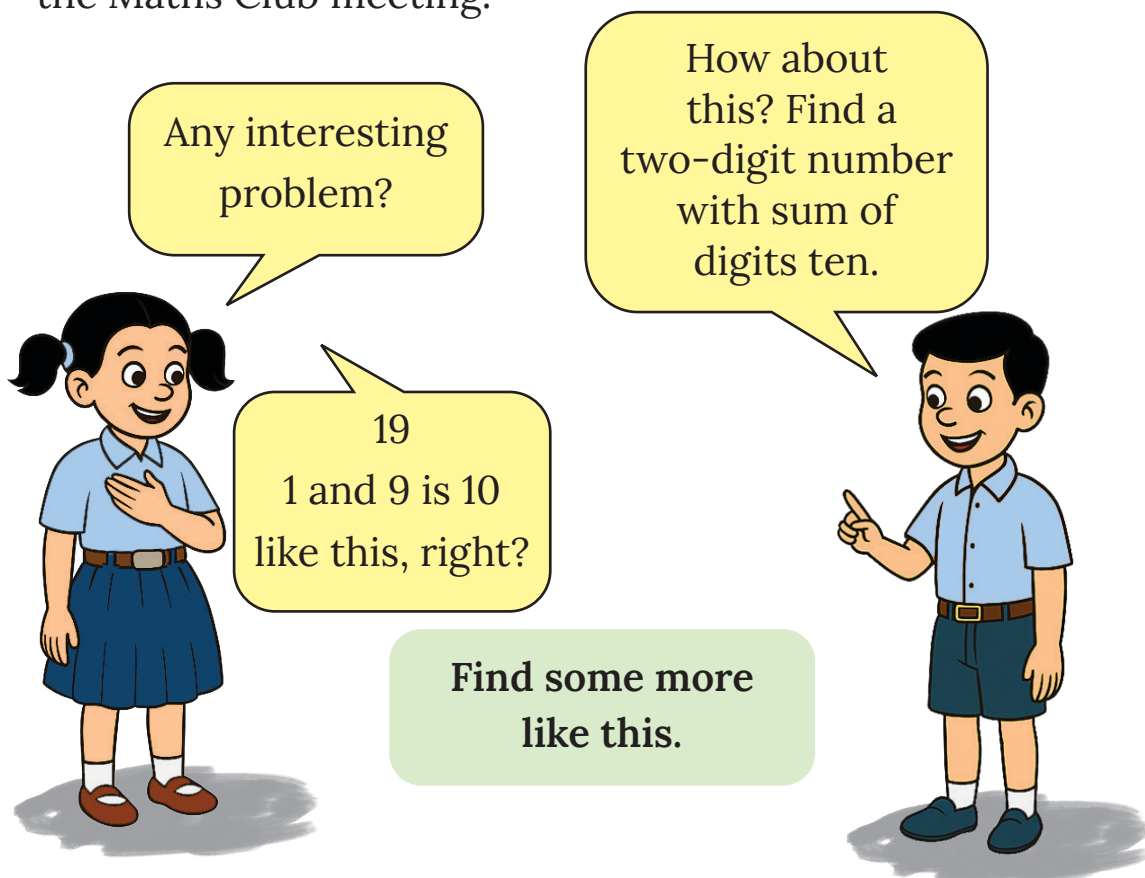
Leaving one, when divided into sets of two	Without remaining when divided into sets of two

1, 3, 5, 7,,,
are called odd numbers.

2, 4, 6, 8,,,
are called even numbers.

Sum of digits

Miya is thinking about problems to ask at the Maths Club meeting.



Two-digit numbers whose digits add up to 10.

Write these numbers in order from the smallest to the largest.

What is the relation between one number and the next?

Let's change the order

See what Miya has written in the chart.

$8 + 9 = 17$
$9 + 8 = 17$
$23 + 11 = 34$
$11 + 23 = 34$
$45 + 23 = 68$
$23 + 45 = 68$

Look at this bro!
What do
you see?

Changing the
order of
numbers doesn't
change the sum



Check other sums.

Write them in your notebook.

Adding one number to the next

1	+	2	=	3
2	+	3	=	5
3	+	4	=	7
6	+	7	=	13
8	+	9	=	.....
10	+	11	=	.....
12	+	13	=	.....
15	+	16	=	.....

Miya and friends
added each number
to the next, and wrote
down the sums.

Can you continue this?

Note anything
special about the sums?

Odd numbers

“What about adding two odd numbers?” Miya asked.

They calculated some such sums.

Can you do the remaining?

$$1 + 3 = 4$$

$$3 + 5 = 8$$

$$7 + 5 = \dots\dots\dots$$

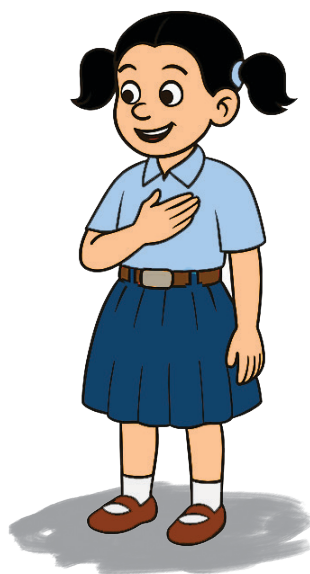
$$3 + 9 = \dots\dots\dots$$

$$11 + 7 = \dots\dots\dots$$

$$\dots + \dots = \dots\dots\dots$$

$$\dots + \dots = \dots\dots\dots$$

What if we add two odd numbers?



What is the speciality of the sum of two odd numbers?

Now, add two even numbers.

What is the speciality of the sum?

What about the sum of an odd number and an even number?

Let's subtract again and again

Sumi has 16 rupees. She bought a pen for 5 rupees and a pencil for 3 rupees. How much does she have now?

How I did

Had 16 rupees
at first. Spent
 $5 + 3 = 8$ rupees
to buy pen and pencil.
Now she has
 $16 - 8 = 8$ rupees

Money she had	16 rupees
Money spent for pen	5 rupees
Remaining money	$= 16 - 5 = 11$ rupees
Money spent for pencil	$= 3$ rupees
Remaining money	$= 11 - 3 = 8$ rupees

Taking away 5 and then 3 from 16 or taking away 8 from 16, leaves the same number.

What if we take away 7 and then 3 from 24?

What number do we take away from 24 once?

To take away 10 and then 6 from 46,
what number do we take away from 46
once instead?

Add and go ahead

See the numbers Miya has written in order:

1, 3, 5, 7,,,

Write the next numbers.

**Find the speciality
of these numbers**

Starting with 1 and adding
2 again and again?

Now start from 2 and add 2 again and again.

2, 4, 6,,,

These
are the even
numbers!

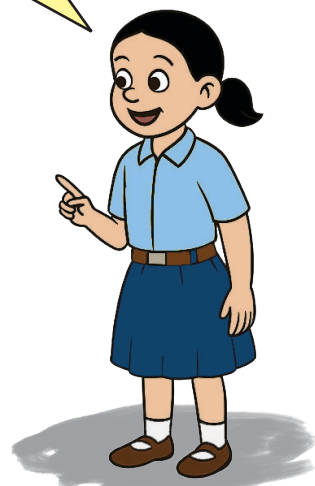
What is the speciality of these numbers?

What about starting with 5 and adding 5 again and again?

5, 10, 15,,,

What is the speciality of these numbers?

Starting with 10 and adding 10 again and again?



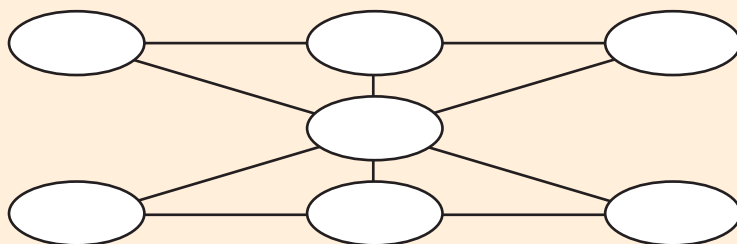
How many two-digit numbers have 0 as the second digit?

Write numbers in order by adding 10 to 1 and so on.

1, 11, 21,,,

How many two-digit numbers have 1 as the second digit?

Write numbers from 1 to 7 in the ovals.
The sum of 3 numbers in a line must be 12.
Each number can be used only once.



Look at the patterns below.

In which of them are the numbers in the correct order, small to large? ✓ tick their boxes

25	28	31	34	37	☐
82	78	74	72	68	☐
63	62	61	60	29	☐
52	58	64	70	76	☐
43	46	42	45	41	☐
79	80	81	82	83	☐

Number patterns

Find out the missing numbers in the patterns:

1) 10, 18, 26, 34,, 50

2) 31, 40, 49,, 67

3) 88, 82, 76, 70,

4) 56, 60, 64,, 72

5) 95, 89, 83, 77,

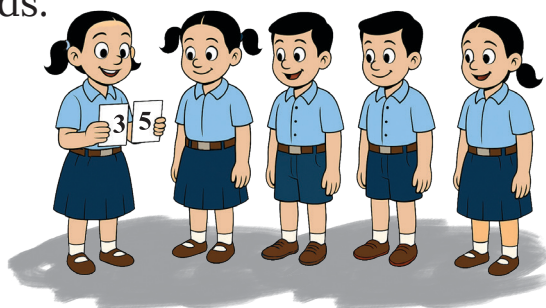
Let's make numbers

Miya and friends are making numbers using digits.

Each can take 2 cards.

And make two-digit numbers using these cards.

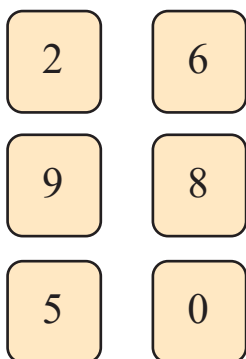
Miya got



Numbers Miya made : 35, 53

Here are the cards some others got.

Write the two-digit numbers they made.



.....

.....

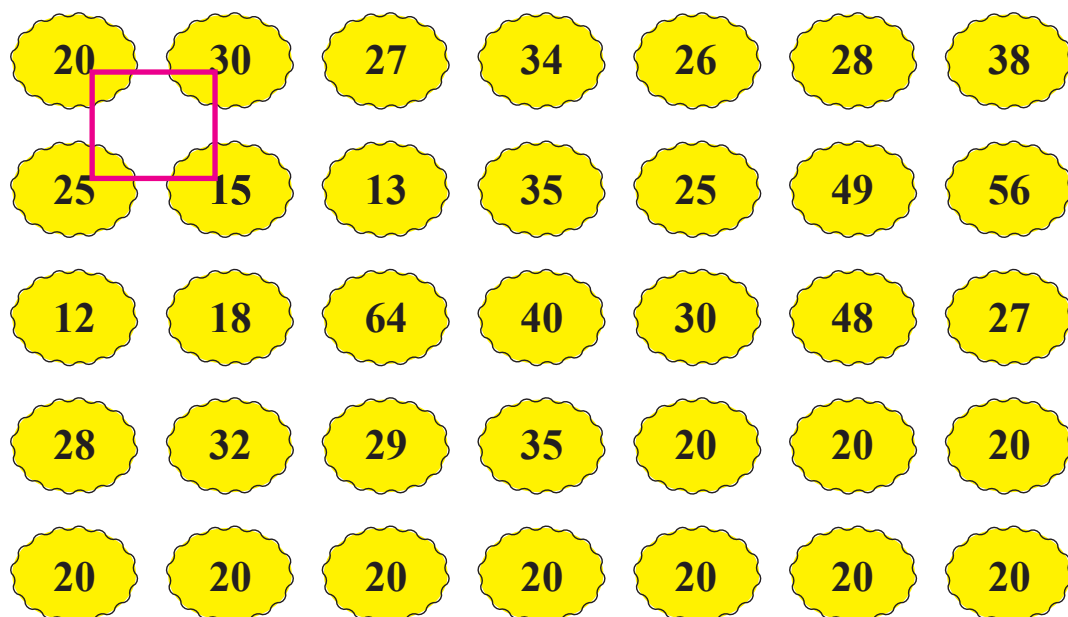
.....

How many two-digit numbers can be made with 4 and 5 not repeating the digits?

.....

If the digits can be repeated?

Fort



A game for three

Draw a line from a number to a nearby number.

No diagonal lines. Add the numbers.

Other two do the same.

Write the sums in order, large to small.

The largest gets 5 points, the next, 3 points and the smallest, 1 point.

A square joining nearby numbers is a fort.

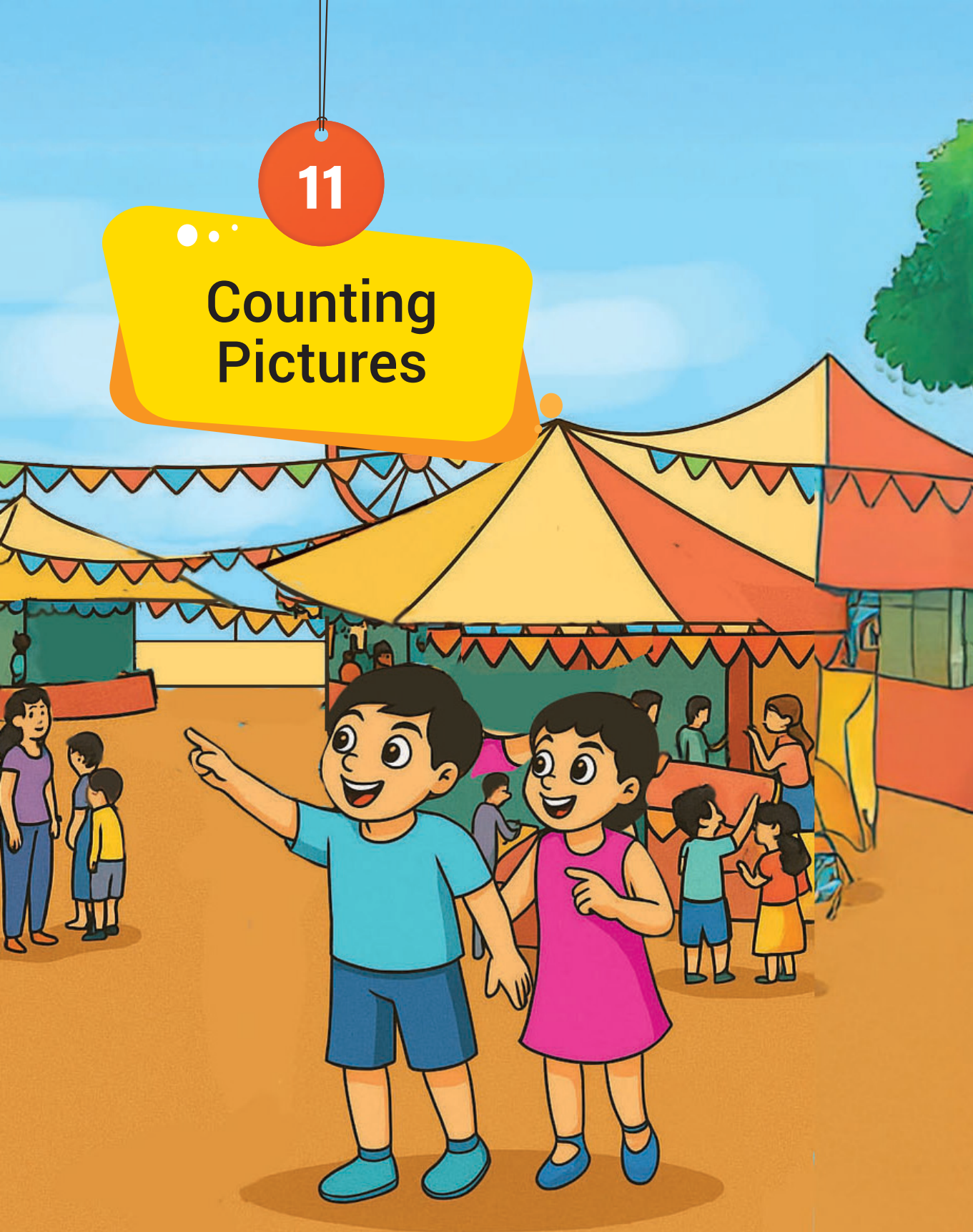
A player completing a fort gets additional 10 points.

Your teacher will tell you more about the game.



11

Counting Pictures



Festival fair

It is festival time at Thannikkara.
They have a great bazaar.
See the toys there!



Write how many of each in the table.

Toy					
Number					

Which toy is the most in number?

Which one is the least?

Toy birds

See the toy birds. How many of each bird?
Write in the table.



Toy	Parrot	Duck	Chicken	Owl	Eagle
Number					

Which toy is the most in number?

How many more parrots than owls?

Which are more, ducks or chickens?

How many more?

Now write a question like this and ask your friend.

Price of toys

See the price of toys.

Toy	Price
	125 rupees
	89 rupees
	99 rupees
	69 rupees
	79 rupees
	89 rupees

Which all toys have same price?

How much?

Is it correct if one says the difference in the prices of a toy duck and a toy cat is 20 rupees? Why?

Find two toys whose prices differ by 10 rupees.
Write their names and prices.

--	--	--	--

Which are the toys having cost less than 90 rupees?

--

One kid has only 100 rupees with him.
Which are the toys he cannot buy?

--

Why?

--

See the table given below.

A person has 100 rupees with him. Write how much he will get back in each case below.

Toy bought	Price	Balance
Rabbit	89 rupees	11 rupees
Monkey		
Duck		
Cat		

If I go to the festival tomorrow, what toy should I buy?



Draw the picture of a toy you like.

See the pictures of toys drew Paru's friends



Which is the toy most liked?

How many liked a toy car?

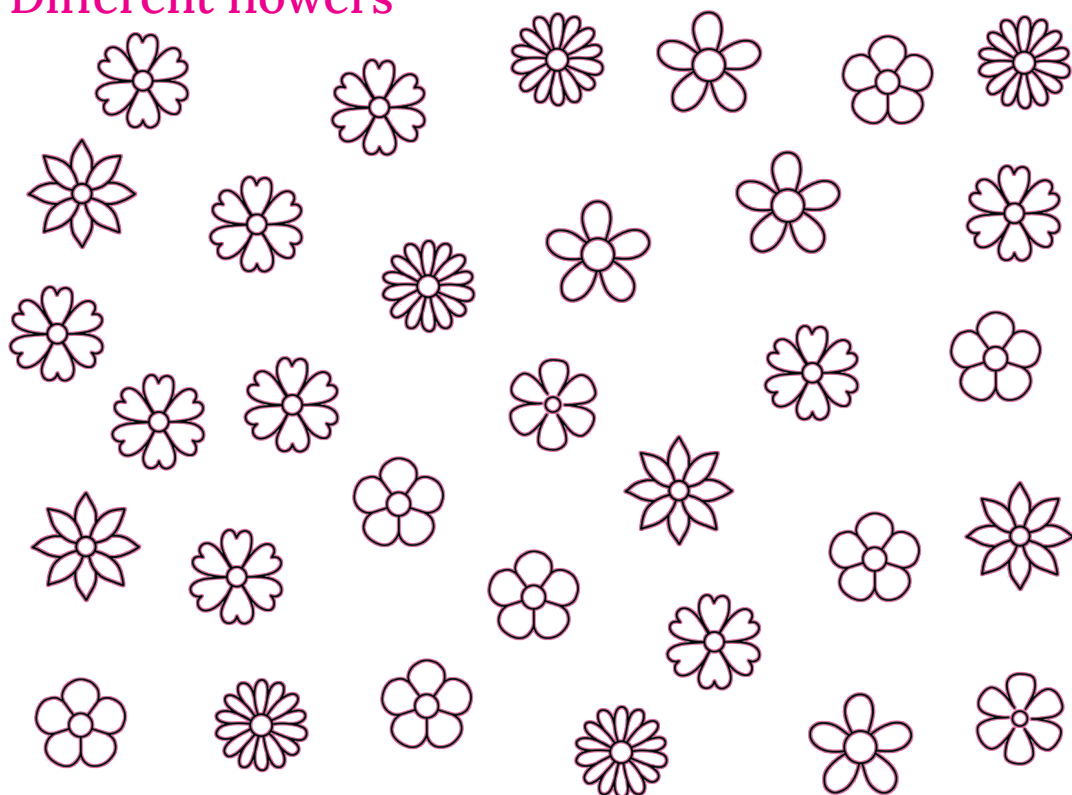
Write the number of each toy in the table.

Toy	Number
	
	
	
	
	
	
	

Which are the toys the same number of kids liked?

Which is the toy only one liked?

Different flowers



Find out how many of each type of flower are there and write below.

Flower	Number
	
	
	
	
	
	

CONSTITUTION OF INDIA

Part IV A

FUNDAMENTAL DUTIES OF CITIZENS

ARTICLE 51 A

Fundamental Duties- It shall be the duty of every citizen of India:

- (a) to abide by the Constitution and respect its ideals and institutions, the National Flag and the National Anthem;
- (b) to cherish and follow the noble ideals which inspired our national struggle for freedom;
- (c) to uphold and protect the sovereignty, unity and integrity of India;
- (d) to defend the country and render national service when called upon to do so;
- (e) to promote harmony and the spirit of common brotherhood amongst all the people of India transcending religious, linguistic and regional or sectional diversities; to renounce practices derogatory to the dignity of women;
- (f) to value and preserve the rich heritage of our composite culture;
- (g) to protect and improve the natural environment including forests, lakes, rivers, wild life and to have compassion for living creatures;
- (h) to develop the scientific temper, humanism and the spirit of inquiry and reform;
- (i) to safeguard public property and to abjure violence;
- (j) to strive towards excellence in all spheres of individual and collective activity so that the nation constantly rises to higher levels of endeavour and achievements;
- (k) who is a parent or guardian to provide opportunities for education to his child or, as the case may be, ward between the age of six and fourteen years.

CHILDREN'S RIGHTS

Dear Children,

*Wouldn't you like to know about your rights? Awareness about your rights will inspire and motivate you to ensure your protection and participation, thereby making social justice a reality. You may know that a commission for child rights is functioning in our state called the **Kerala State Commission for Protection of Child Rights**.*

Let's see what your rights are:

- Right to freedom of speech and expression.
- Right to life and liberty.
- Right to maximum survival and development.
- Right to be respected and accepted regardless of caste, creed and colour.
- Right to protection and care against physical, mental and sexual abuse.
- Right to participation.
- Protection from child labour and hazardous work.
- Protection against child marriage.
- Right to know one's culture and live accordingly.
- Protection against neglect.
- Right to free and compulsory education.
- Right to learn, rest and leisure.
- Right to parental and societal care, and protection.

Major Responsibilities

- Protect school and public facilities.
- Observe punctuality in learning and activities of the school.
- Accept and respect school authorities, teachers, parents and fellow students.
- Readiness to accept and respect others regardless of caste, creed or colour.



Contact Address:

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Email: childrights.cpcr@kerala.gov.in, rte.cpcr@kerala.gov.in

Website : www.kescpcr.kerala.gov.in

Child Helpline - 1098, Crime Stopper - 1090, Nirbhaya - 1800 425 1400

Kerala Police Helpline - 0471 - 3243000/44000/45000

Online R. T. E Monitoring : www.nireekshana.org.in