## **Mathematics**

Part I

Standard I



Government of Kerala Department of General Education

ST-467-1-MATHS(E)-1-VOL-1

**Prepared by** 

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

#### **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 name jage, Tava subha asisa mage, Gahe tava jaya gatha. Jana-gana-mangala-dayaka jaya he Bharatha-bhagya-vidhata Jaya he, jaya he, jaya he, Jaya jaya jaya jaya he!

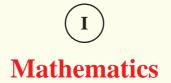
#### PLEDGE

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

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

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

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



Prepared by

State Council of Educational Research and Training (SCERT) Poojappura, Thiruvananthapuram 695012, Kerala Website : www.scertkerala.gov.in, e-mail : scertkerala@gmail.com Typeset and design by : SCERT First Edition - 2024 Printed at : KBPS, Kakkanad, Kochi-30 © Department of General Education, Government of Kerala

#### Dear children,

Mathematics is necessary to know and understand the things accurately around us. Mathematics deals with counting, adding, subtracting, drawing and measuring. These are done using numbers, shapes and symbols. The ability to think, understand and express things correctly is acquired through mathematics.

Let's start learning math in a fun way by doing group activities, watching, listening, thinking and discussing. We can be friendly with math through games, telling stories, singing songs, drawing colourful pictures, colouring and finding different ways of thinking.

With love and regards,

Dr. Jayaprakash R.K. Director, SCERT, Kerala



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### THE CONSTITUTION OF INDIA

#### PREAMBLE

WE, THE PEOPLE OF INDIA, having solemnly resolved to constitute India into a <sup>1</sup>[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 <sup>2</sup>[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.** 

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

for "Unity of the Nation" (w.e.f. 3.1.1977)

studying in class

My mother :

Ι....

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My father :

My teacher :

My school :

Phone No :

My Aadhar No. :





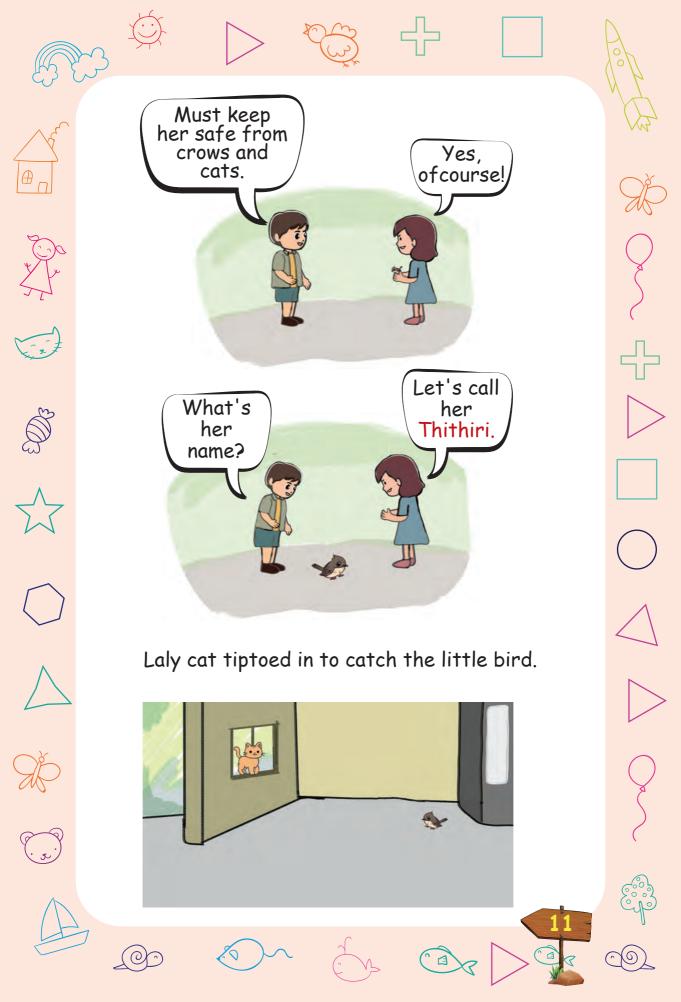
Hello! Call others also. Today is going to be fun.

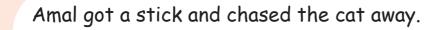
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**S** 

Kaa..Kaa..Kaa Noisy crows. Ima and Amal stepped out to look. A little bird hiding from the crows. In a hole in the tree.









They searched for Thithiri everywhere.

Not on the almirah.

⊕

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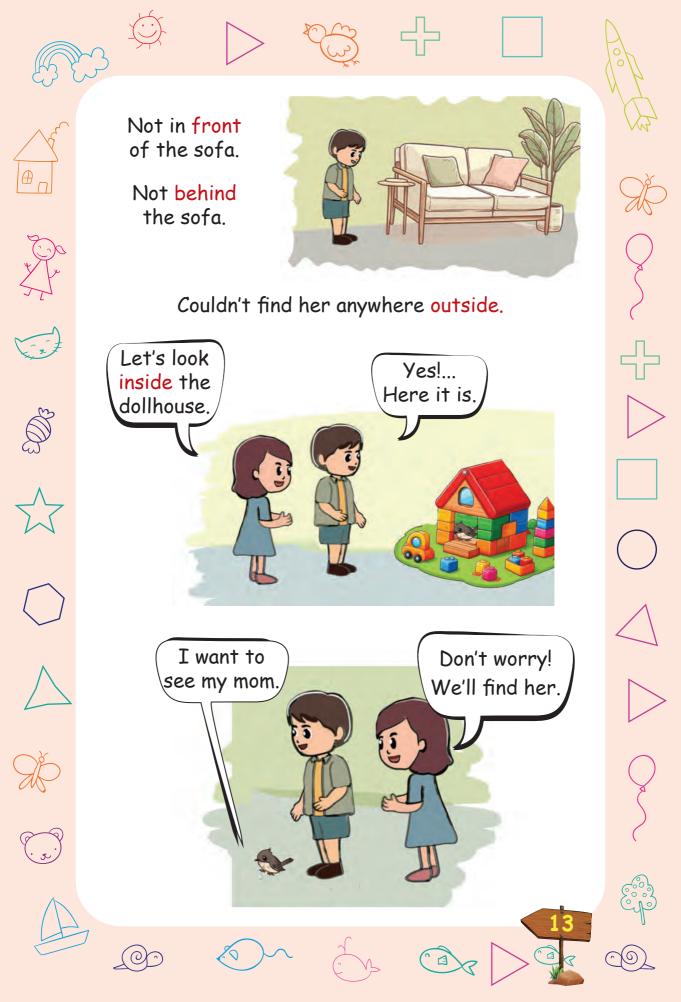
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Not under the bed.









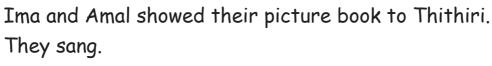








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What's in page one? One cat on the first page! One, one 1





What's in page two? Two birds on the second page! Two, two, 2

What's in page three? Three parrots on the third page! Three, three 3



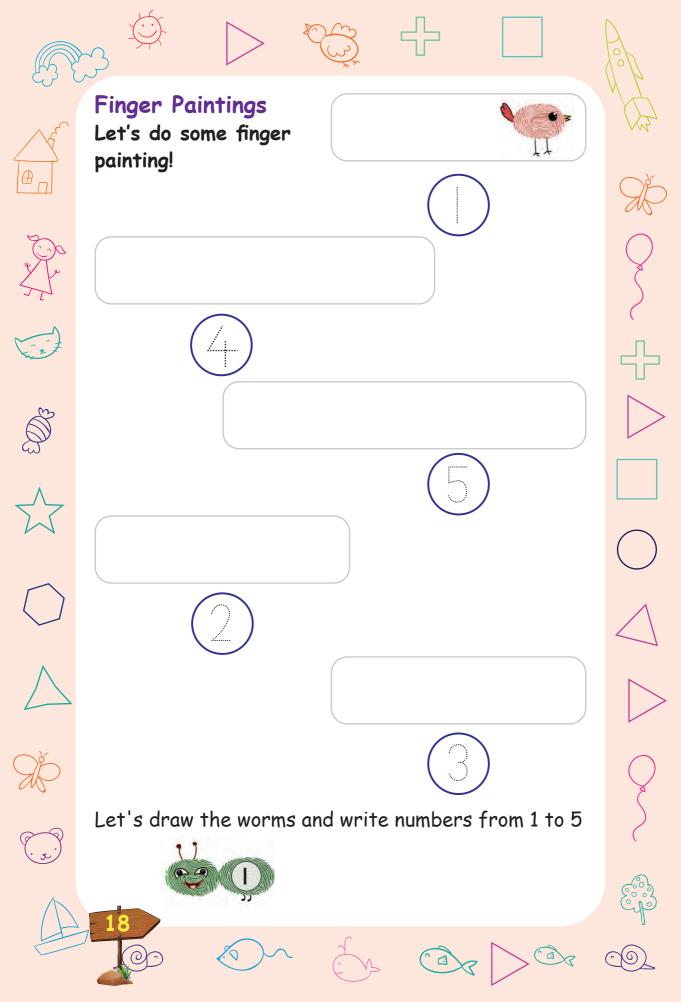


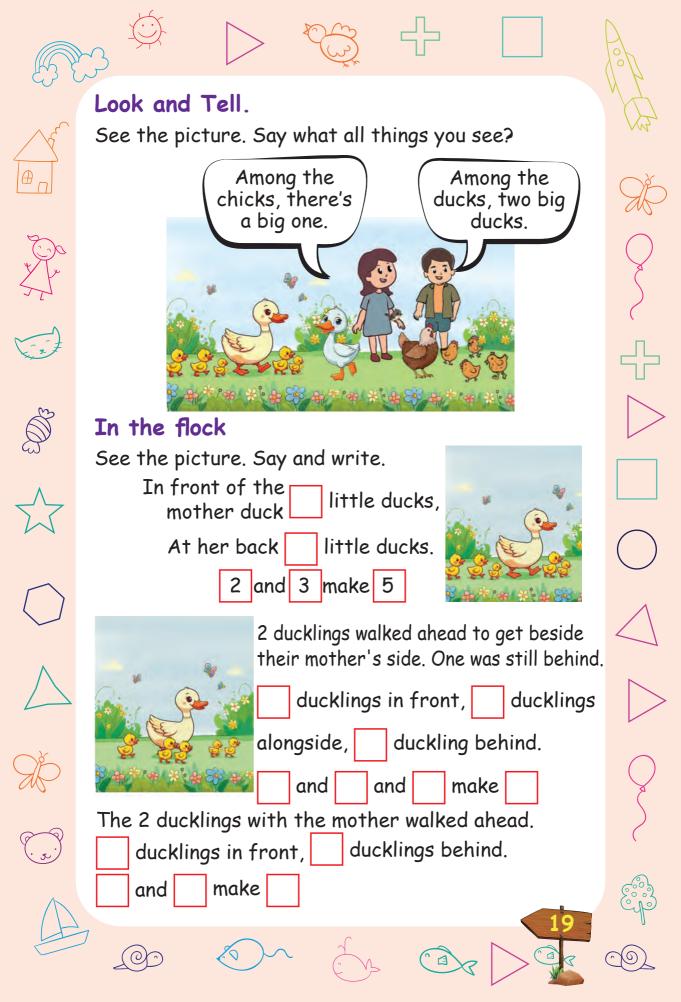
What's in page four? Four owls on the fourth page! Four, four 4

What's in page five? Five mangoes on the fifth page! Five, five 5



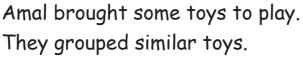


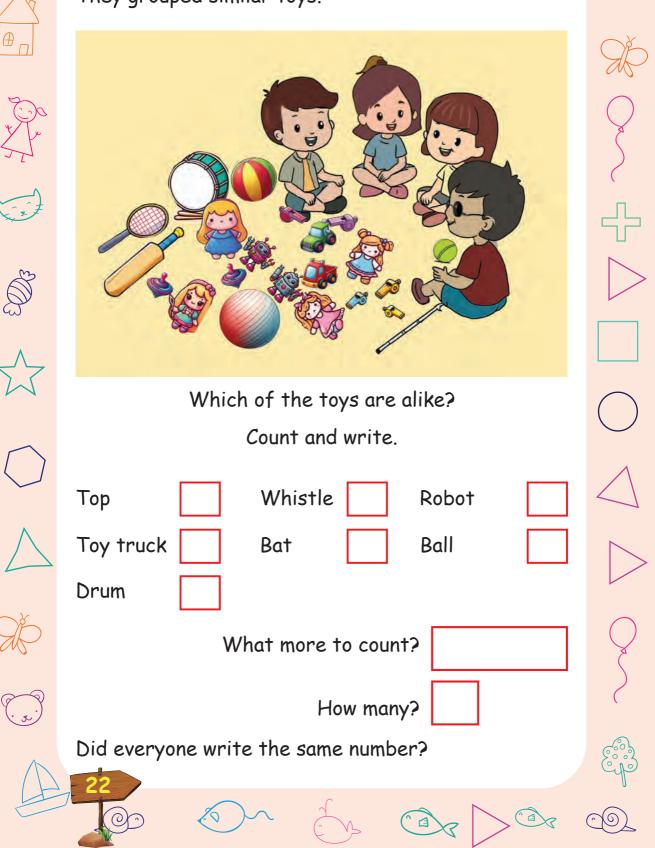


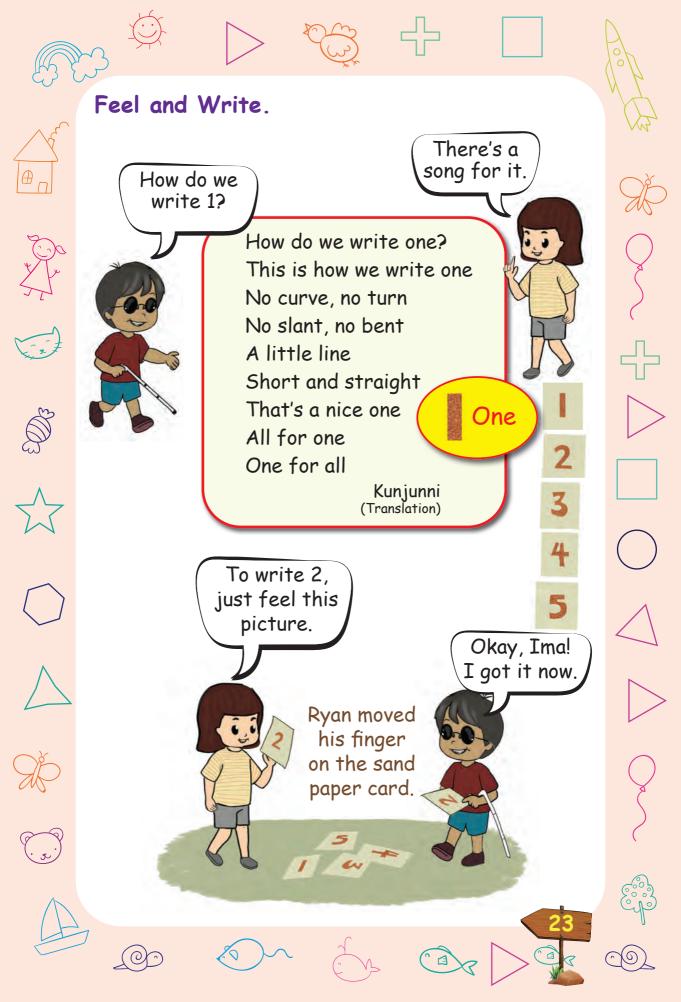








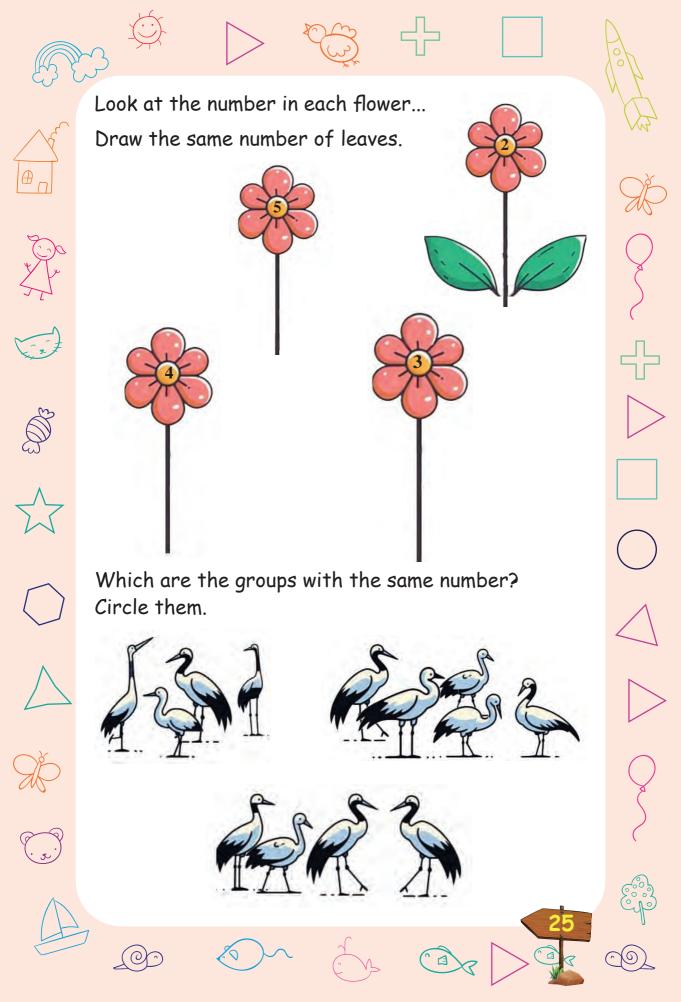


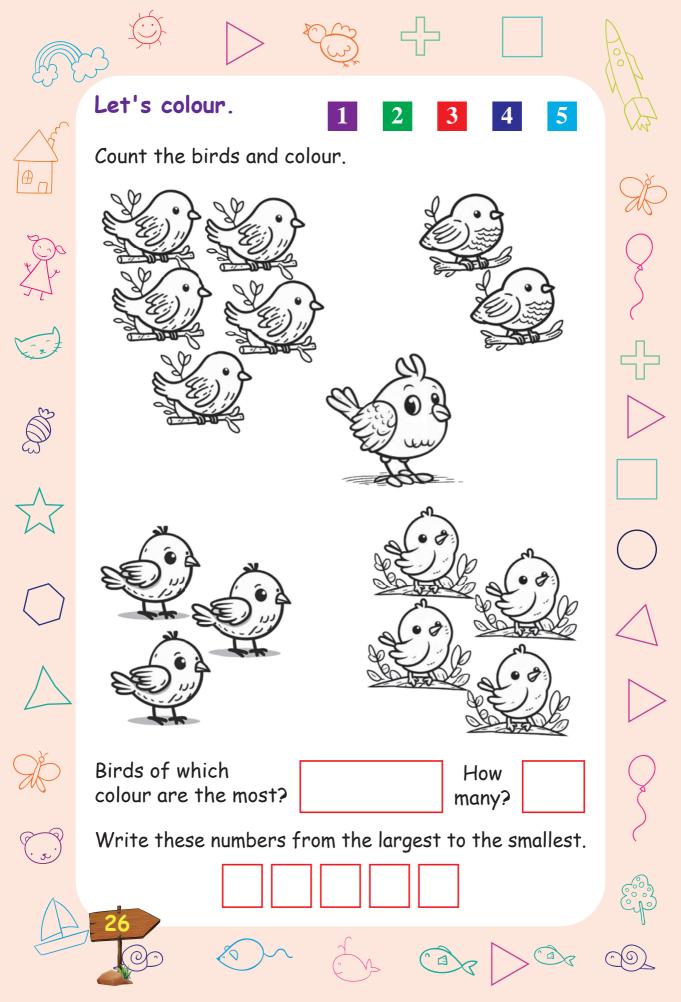


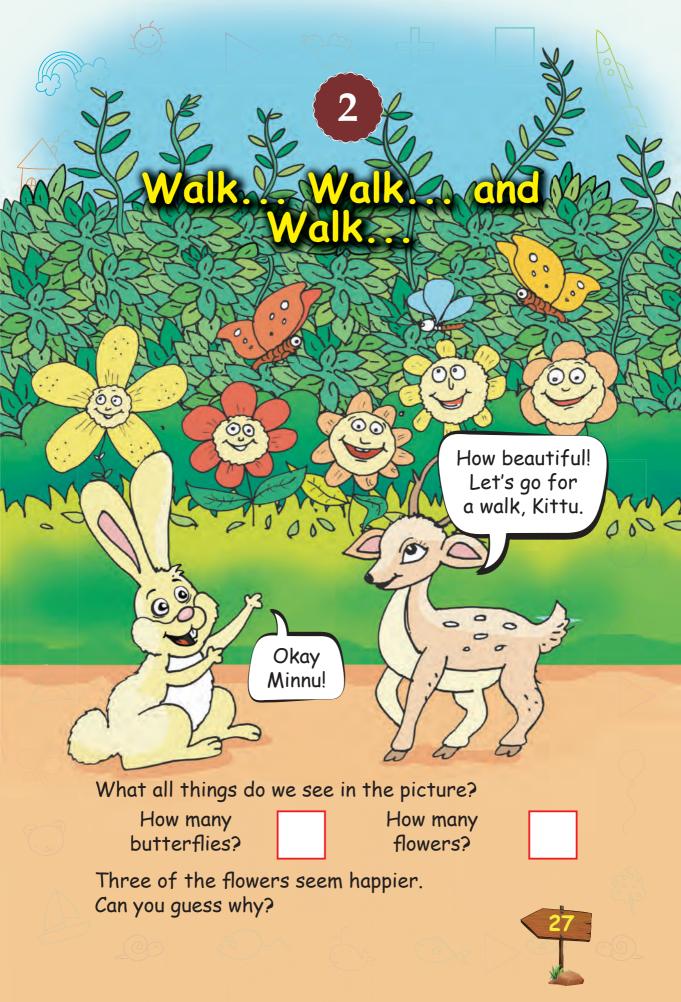


Thithiri was both happy and sad. "I'll come tomorrow, bye!"

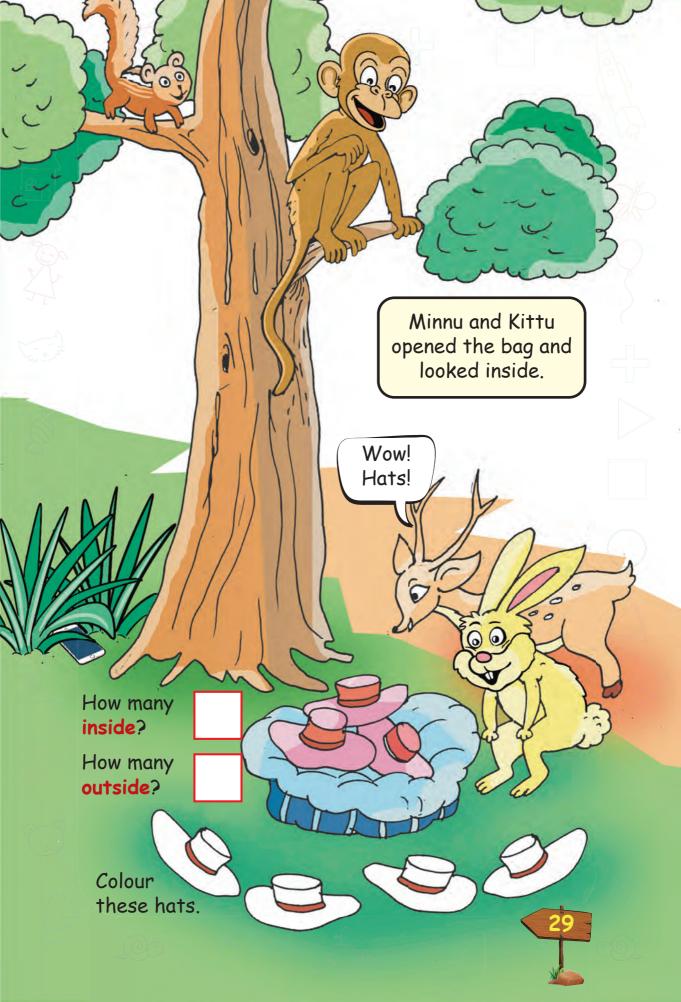












Kunjan squirrel and Pinky monkey took some hats and climbed up.

### How many hats?

Zero means there's nothing.

Rabbit

Monkey

Squirrel

Deer

How many hats in

0

00

000

the bag now?

Nothing

Zero.

Sing and Write.

### How many mangoes?

The tree in the yard had five mangoes

A squirrel bit off one How many left on the tree?

The wind shook down one How many left on the tree?

A crow pecked off one How many left on the tree?

Ammu stoned down one How many left on the tree?

Appu plucked off one How many left on the tree?

Nothing left on the tree now And nothing, you know, is zero!



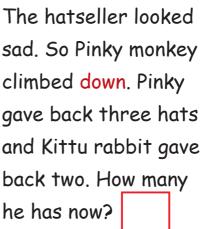
## Draw and join.

⊕

Each one needs one hat. How many hats for the squirrels? For the monkeys? For the rabbits?

Draw lines joining animals and the hats they need.











he has now?



After getting back one more hat, how many he has now? Five and one make six. 6 hats.

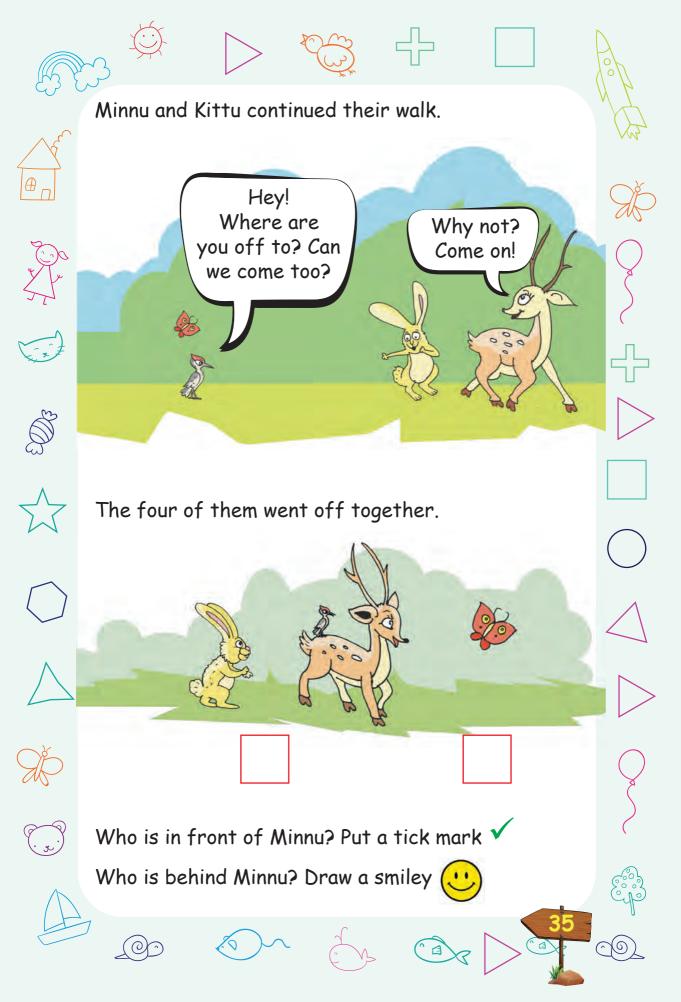
Here's the hat I took.

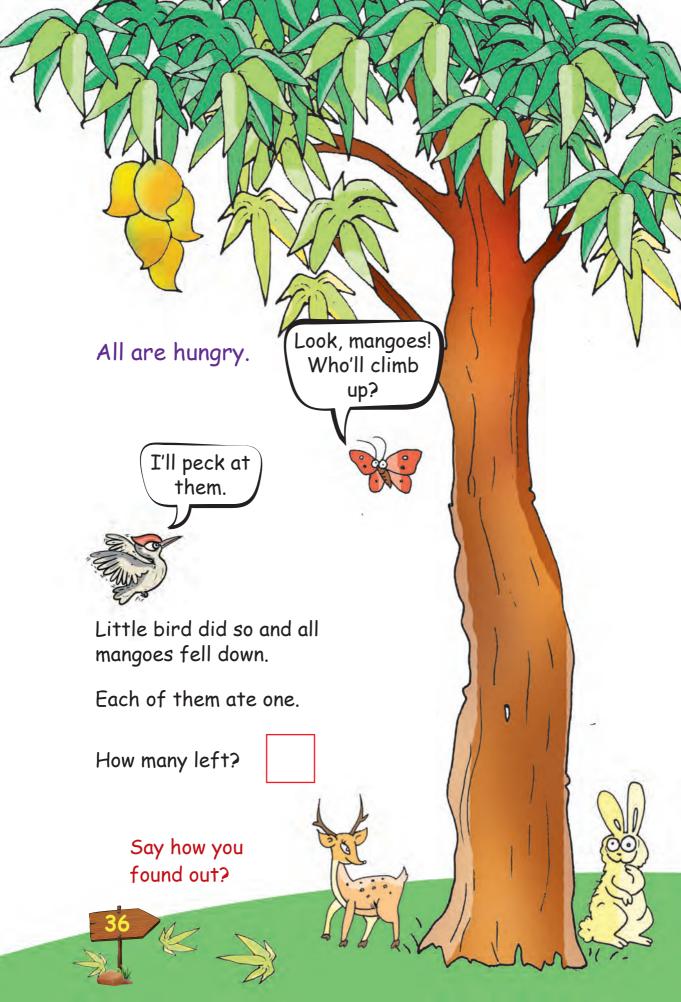


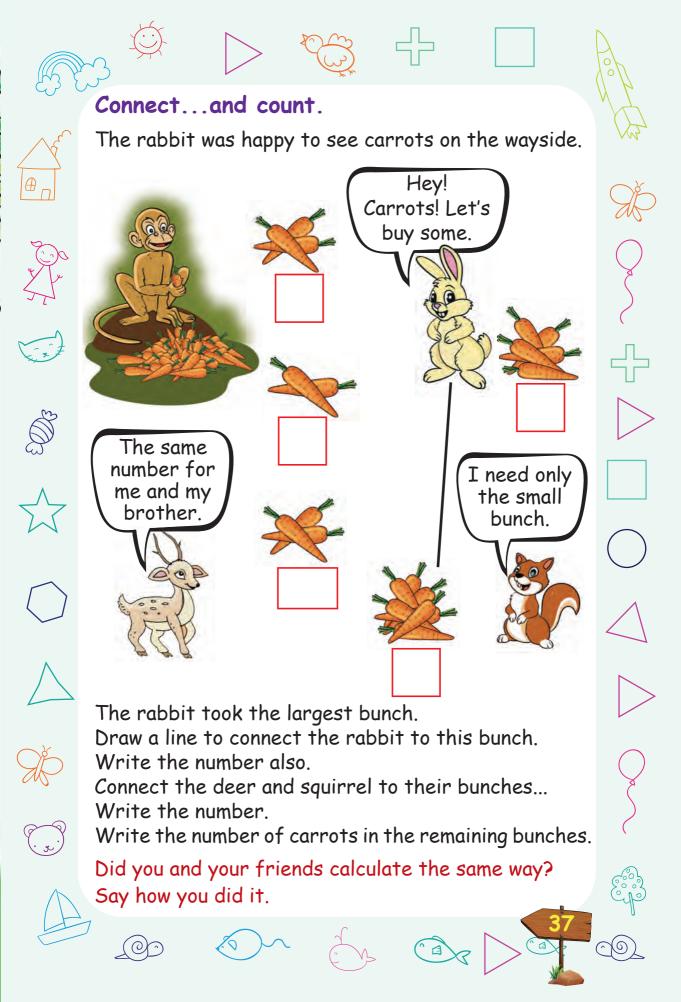
Now the number of hats is six and one. which is seven. 7 hats.

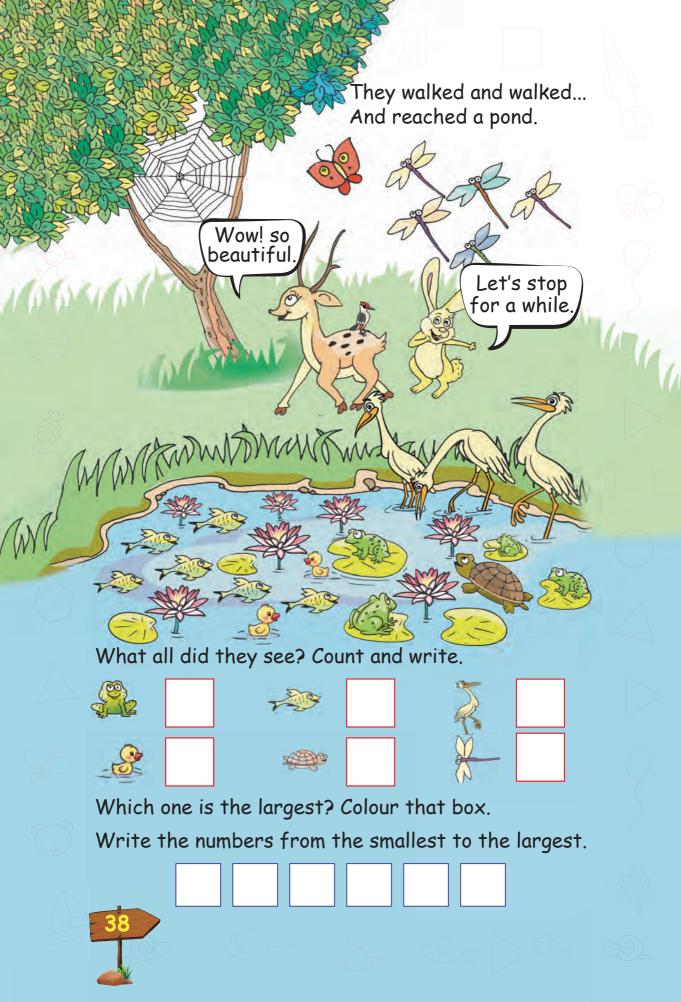


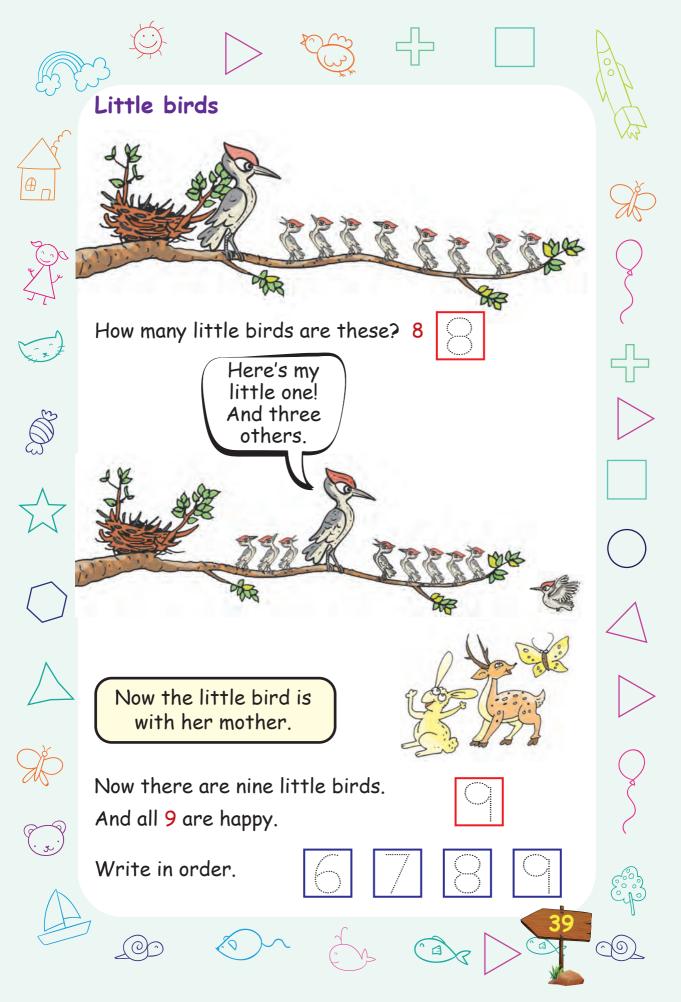
Now, Ramunni Uncle is very happy.



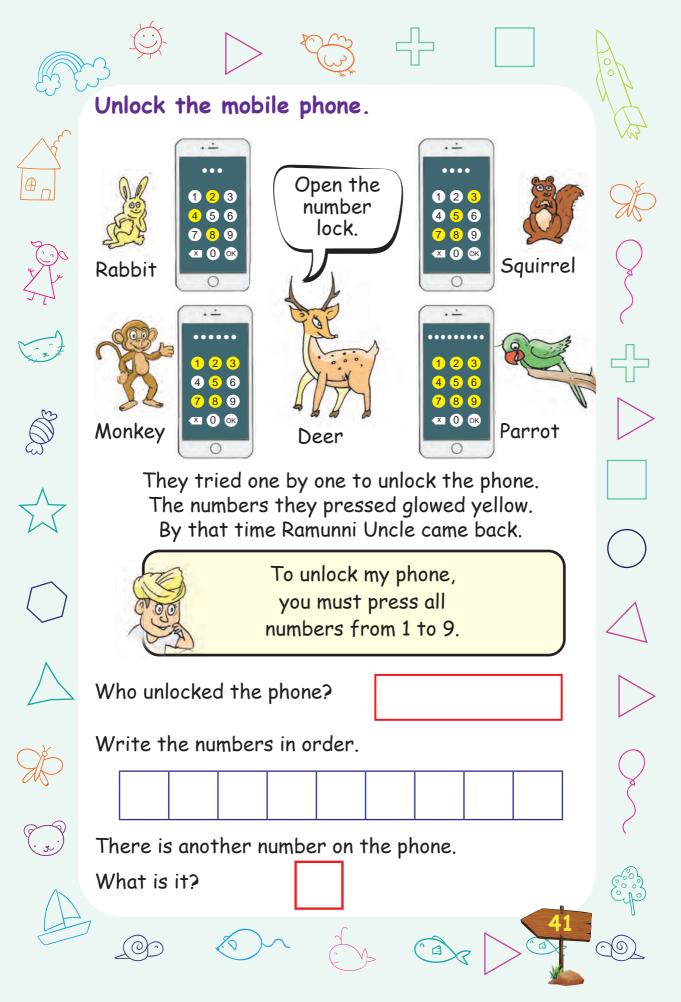


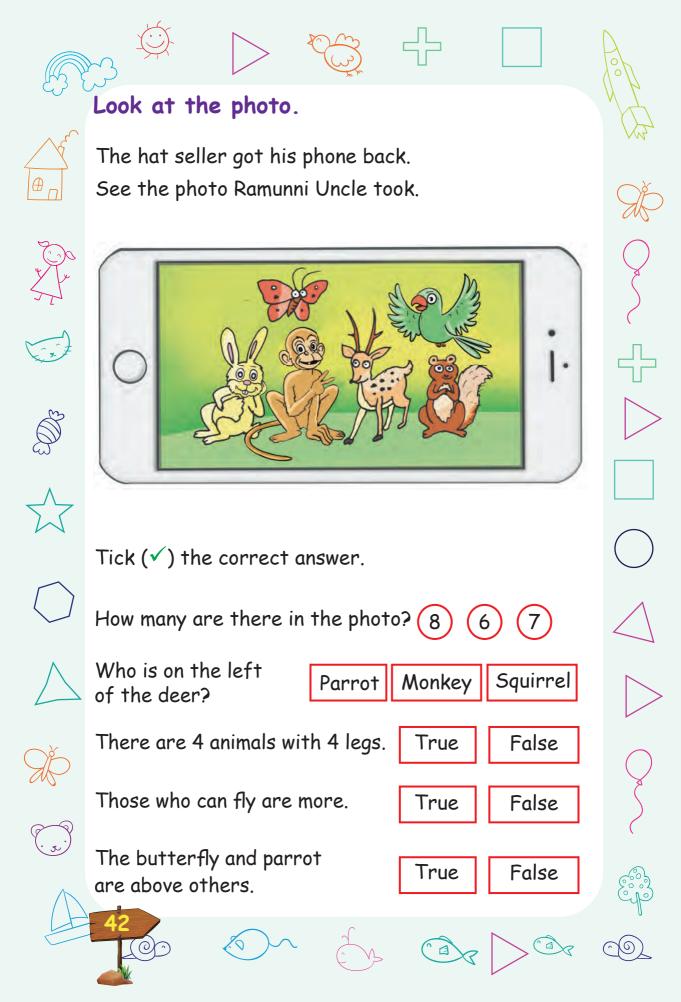


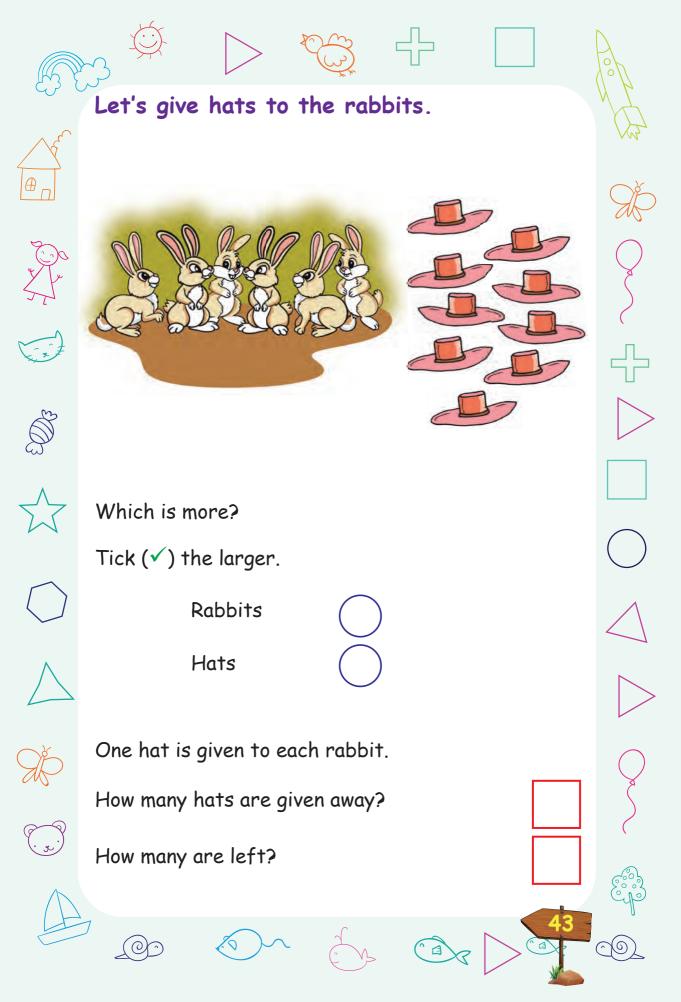


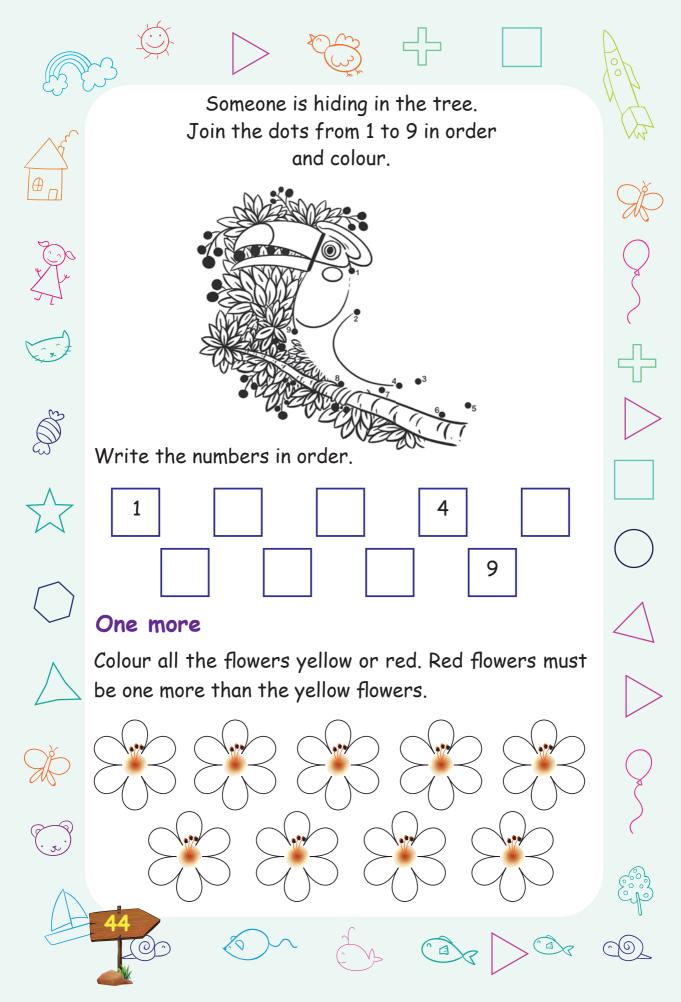


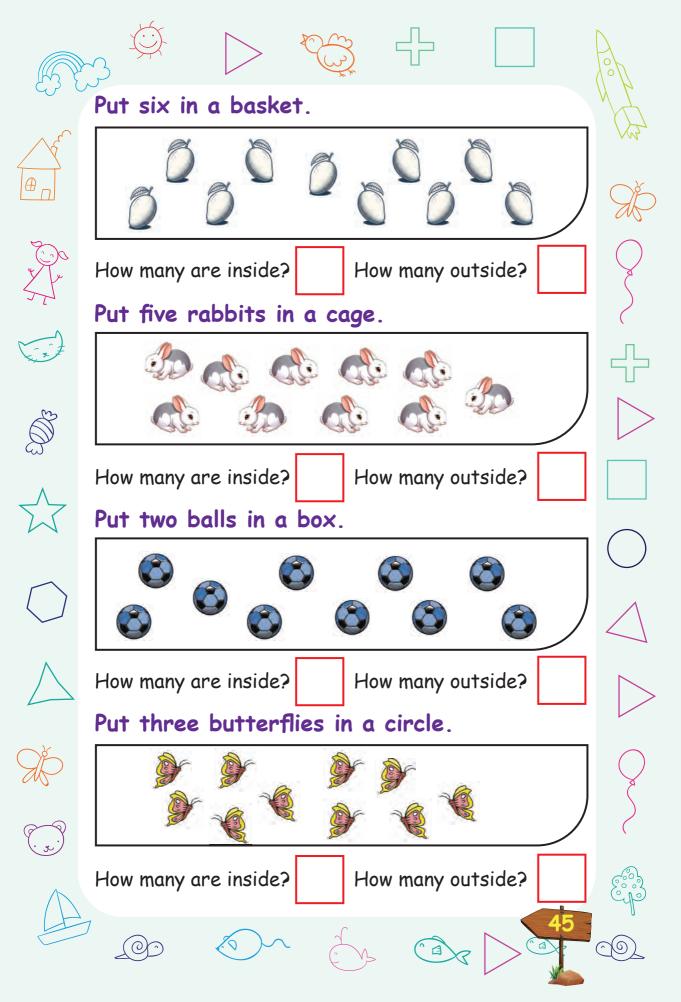






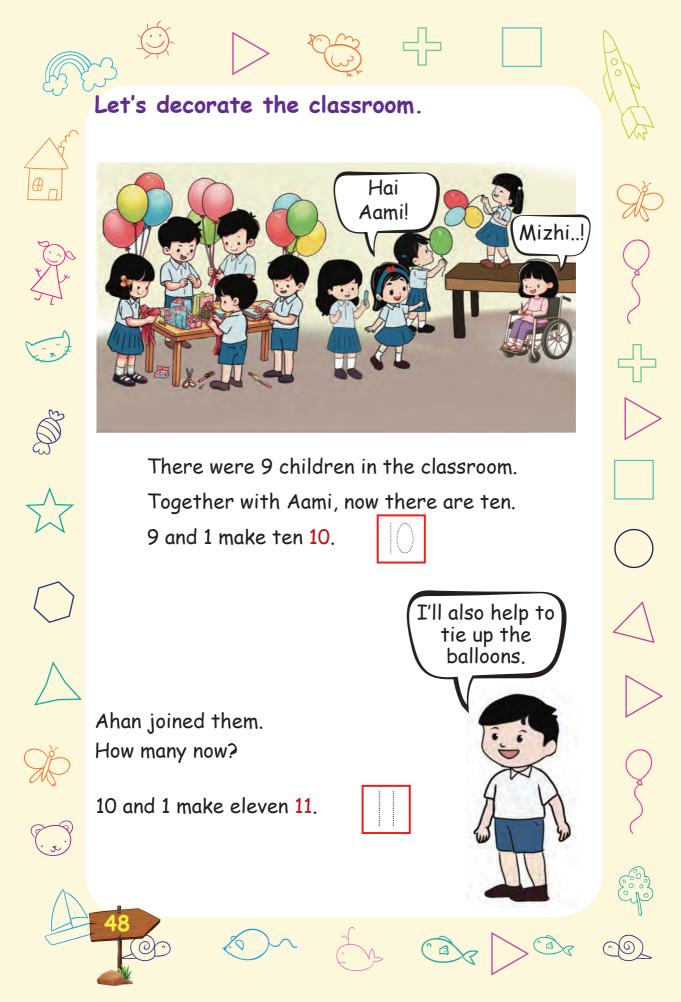












### **Birthday cards**

⊕

Some of the friends came with greeting cards.



How many are in the line?

What is the position of Mizhi from the front?

Find Ahan standing fourth from the back and draw a circle.

Neha is the sixth, from the front and also from the back. Draw a balloon in Neha's hand.

Let's make a greeting card.

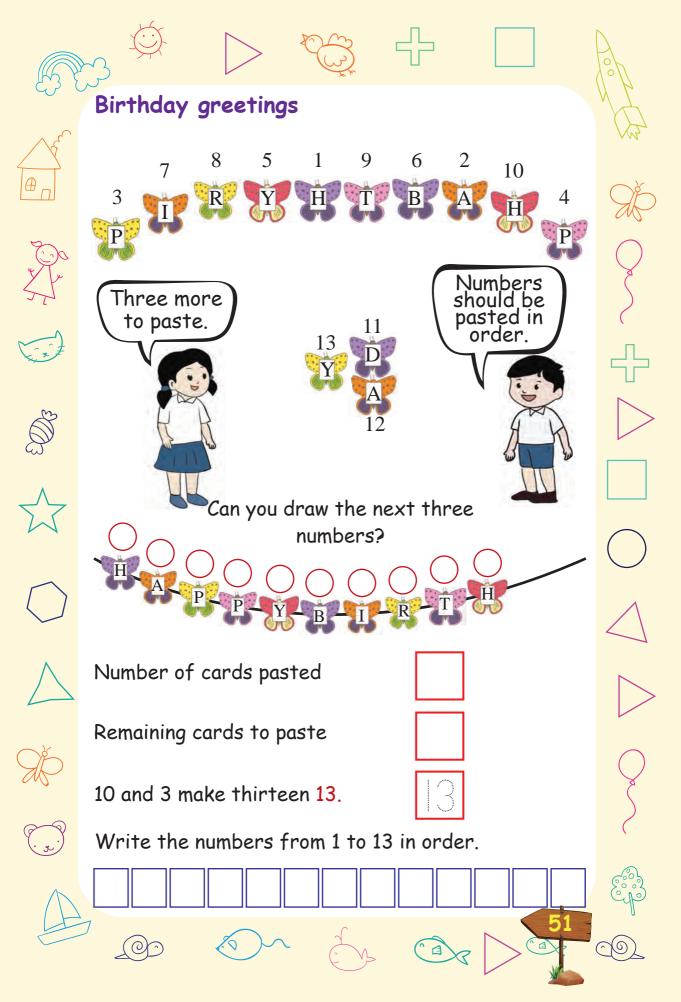


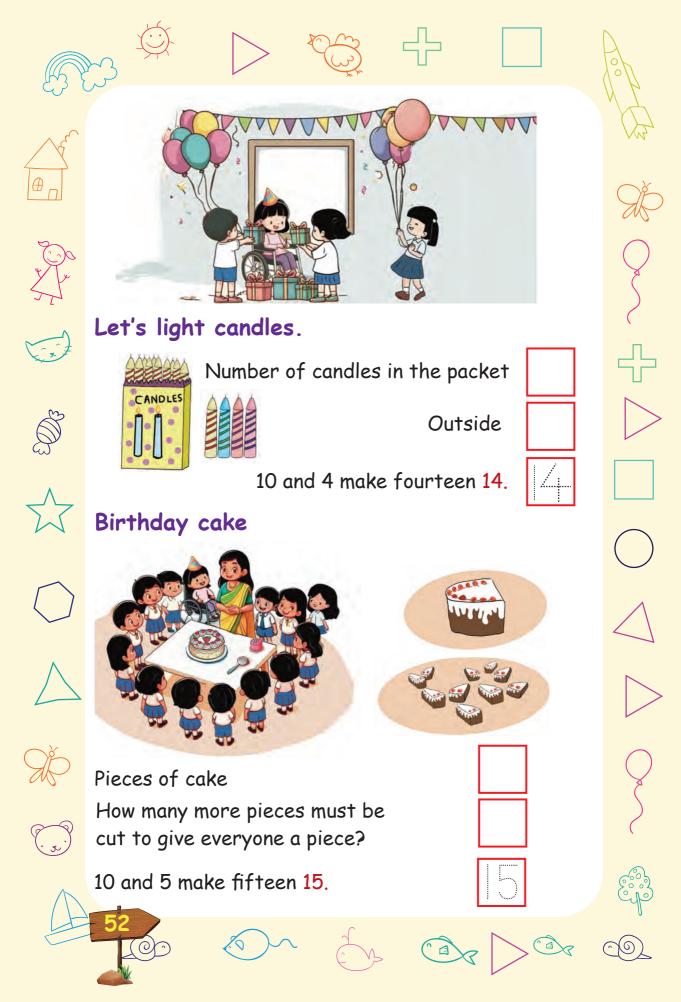


I'm in the

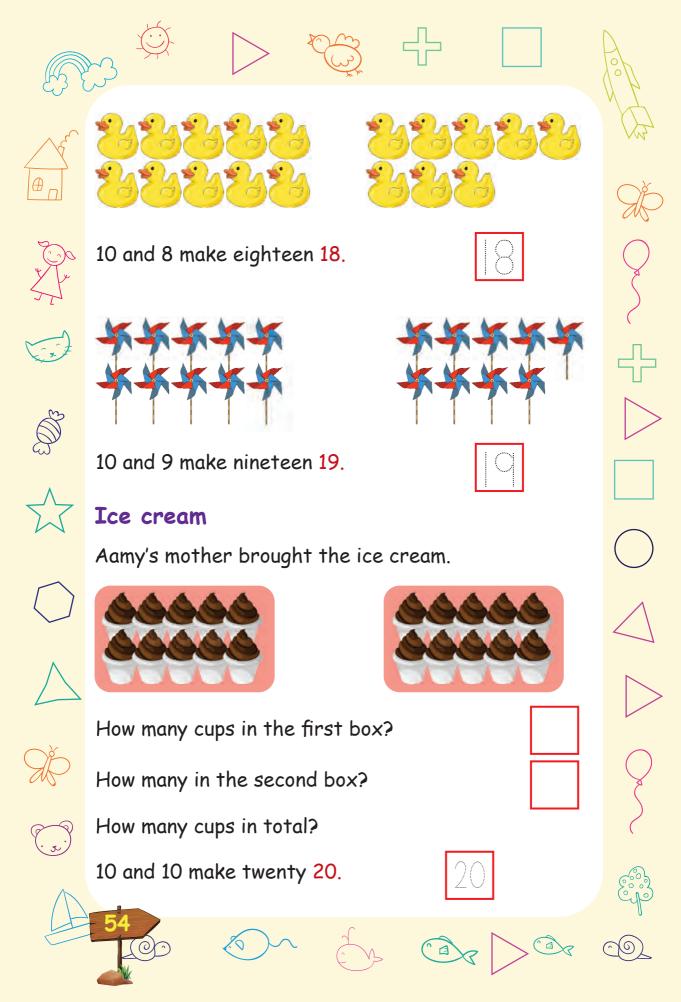
middle.









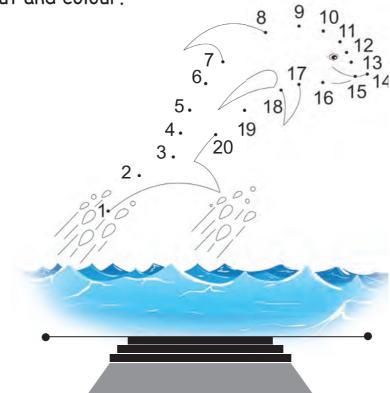


## Who's hiding?

⊕

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Join the dots from 1 to 20. It's Aamy's birthday present. Find out and colour.

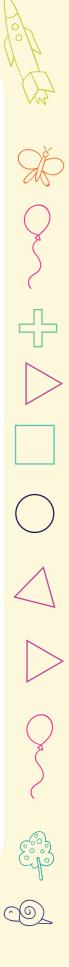


# Let's play.

(0

Each row and column should have the numbers from 1 to 4.

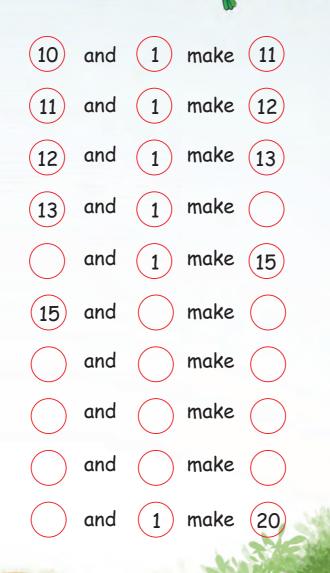
1			
3	4		2
	3	2	
2			4



### Join together... sing together...

Ten little birdies on a bough. One more joined them. How many now?

Eleven little birdies on a bough. One more joined them. How many now?

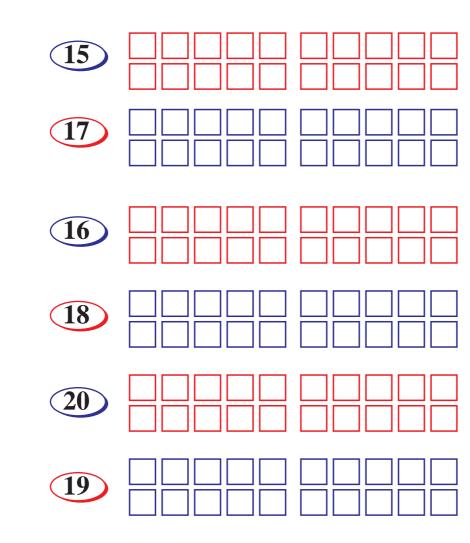






#### Let's colour.

Look at the number and colour that many squares.



Who did the best job?

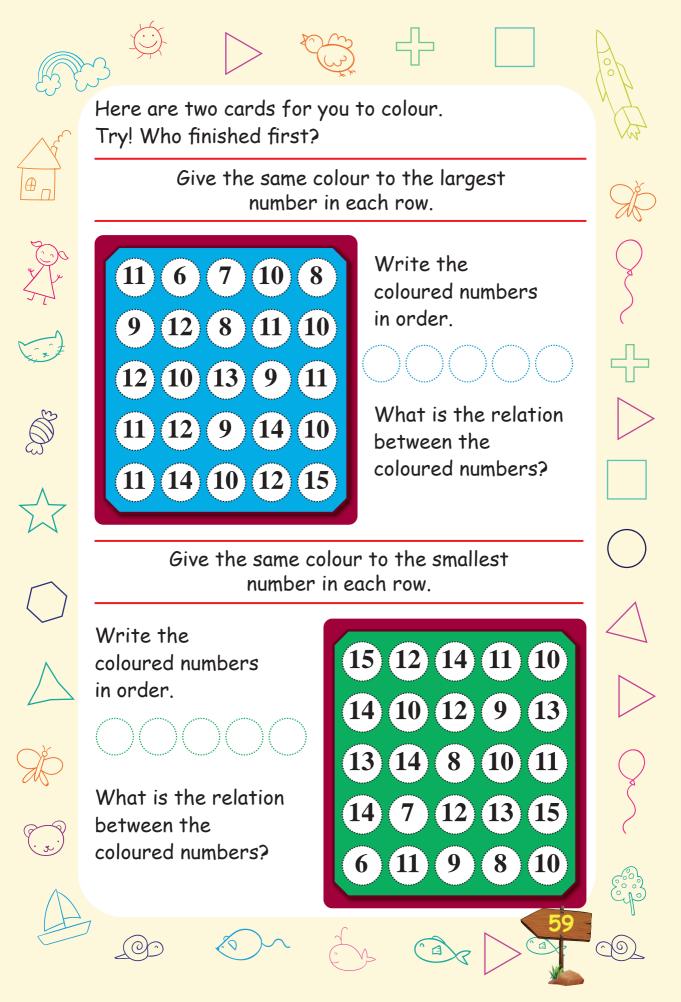
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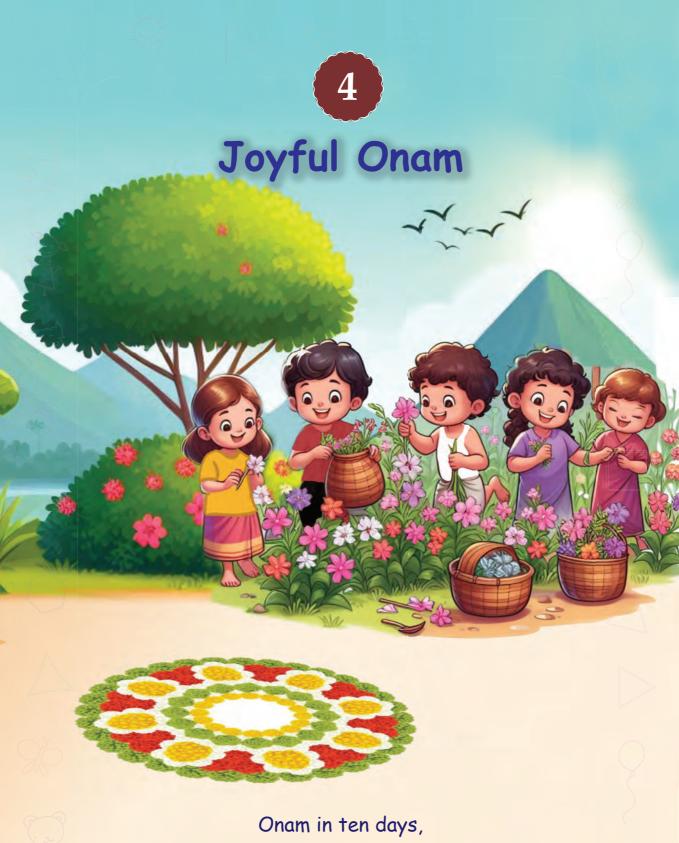
Write the numbers in order from the smallest to the largest.

17

0







starting with atham.



### Pookkalam

⊕

Neerav, Niya and grandma picked flowers for the pookkalam.

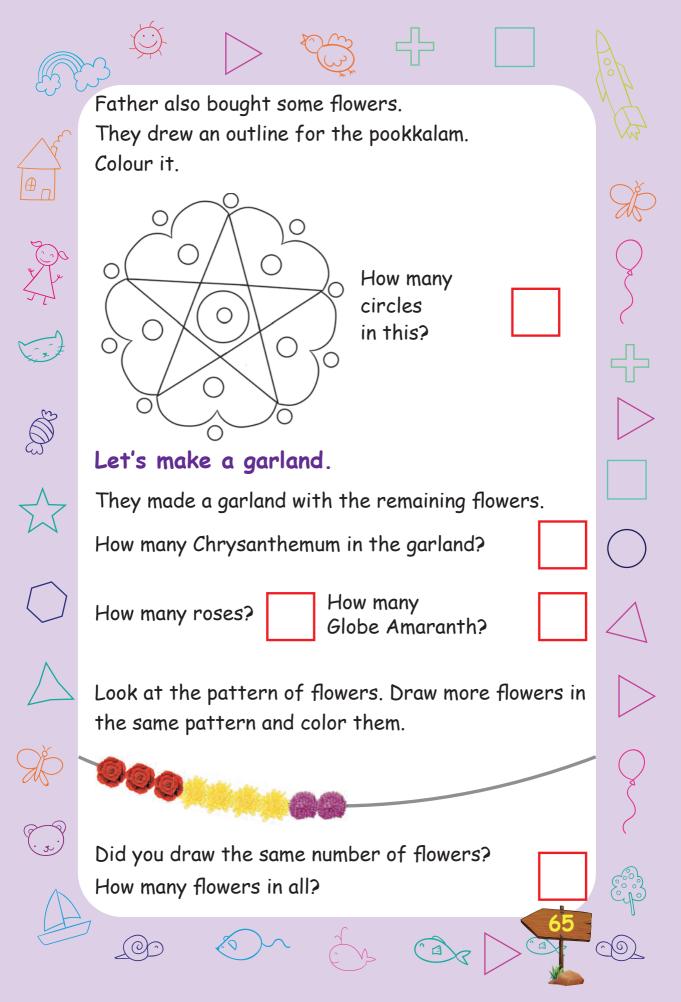


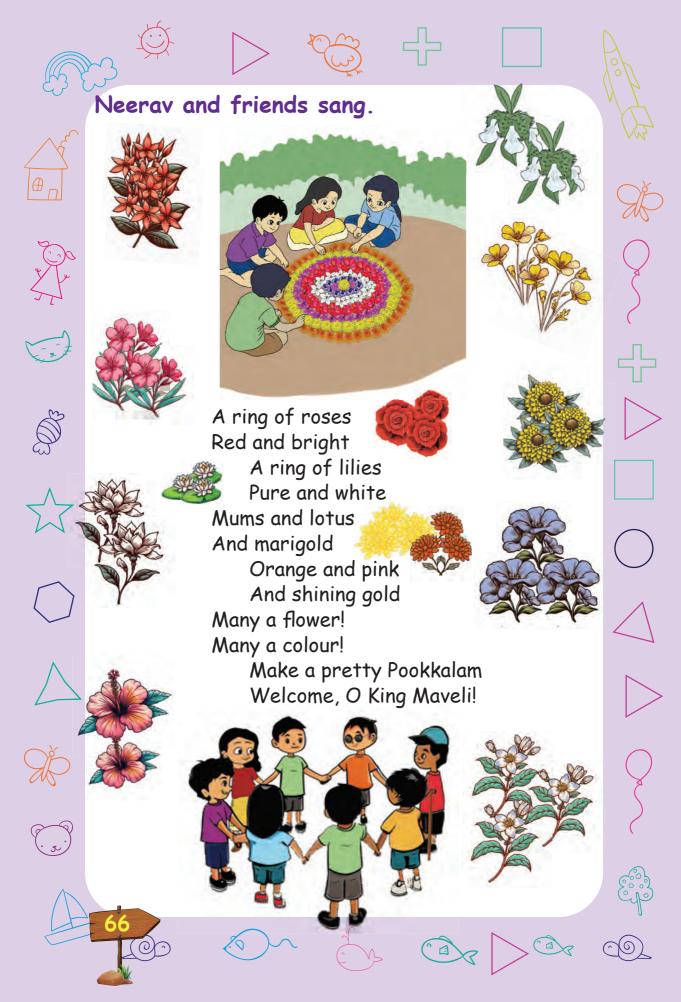
Count and write.

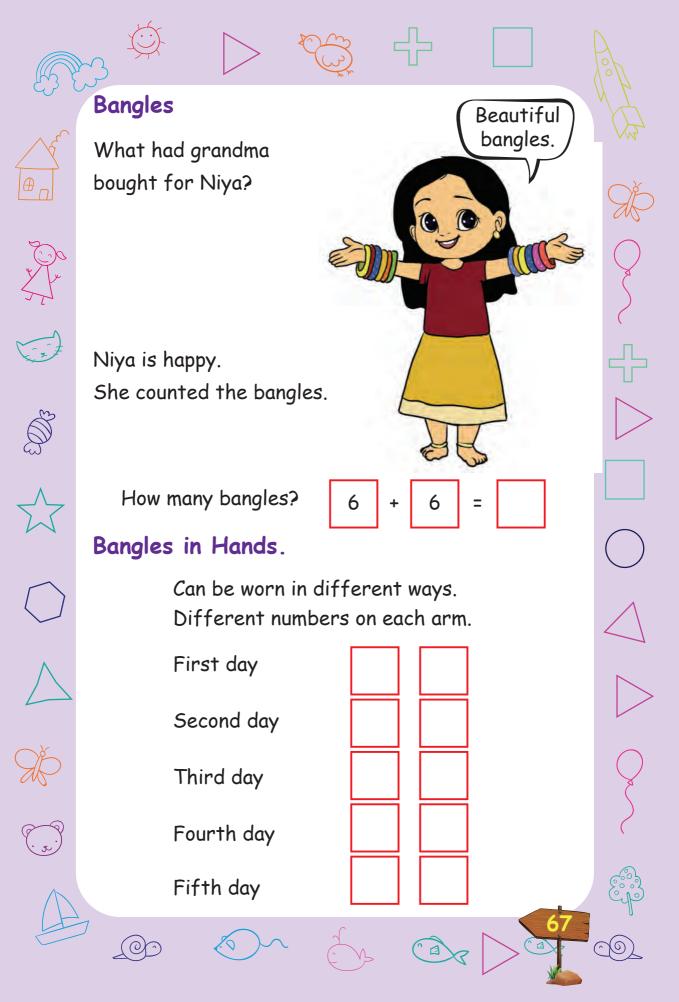


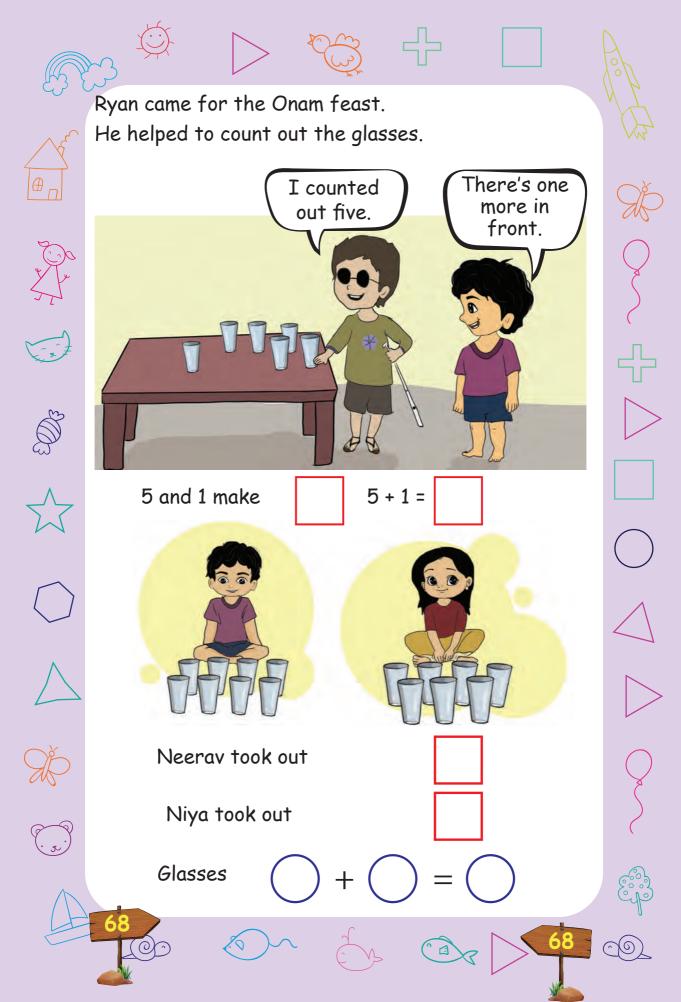
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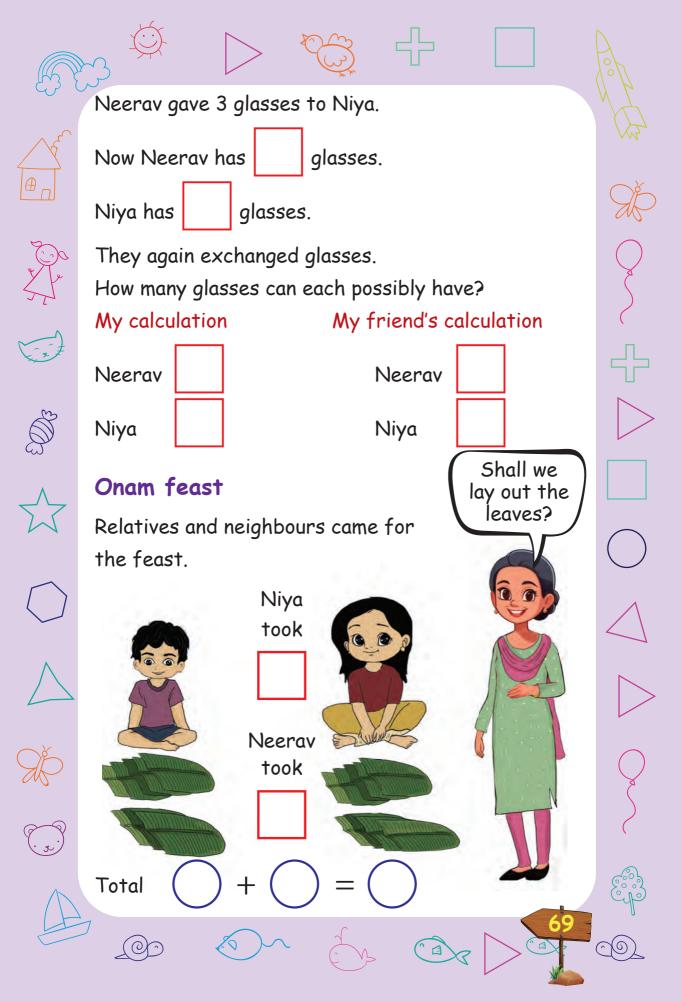


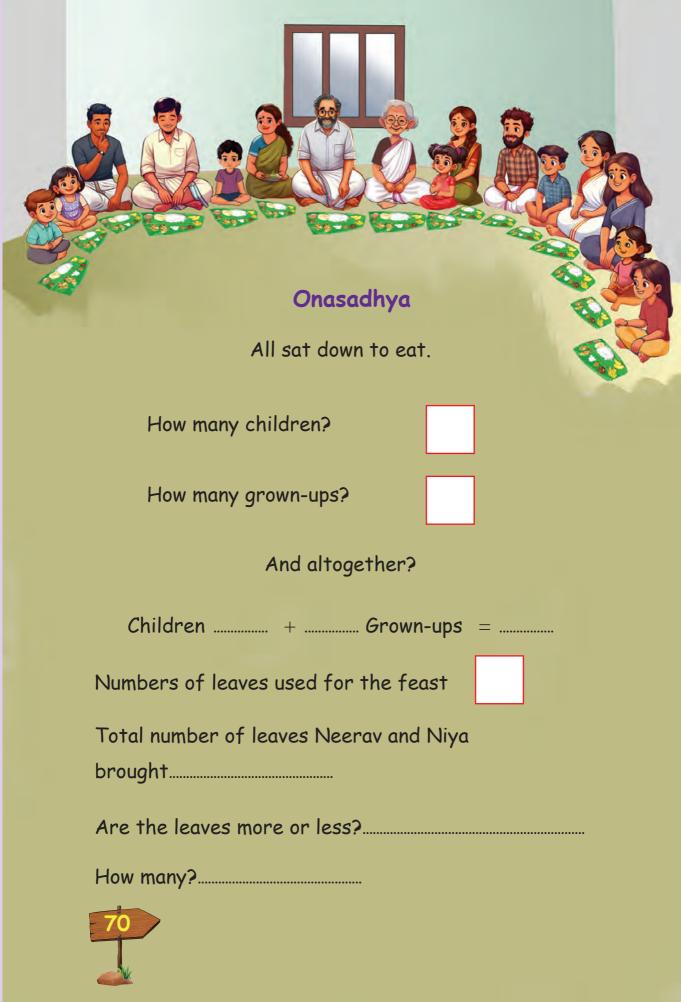


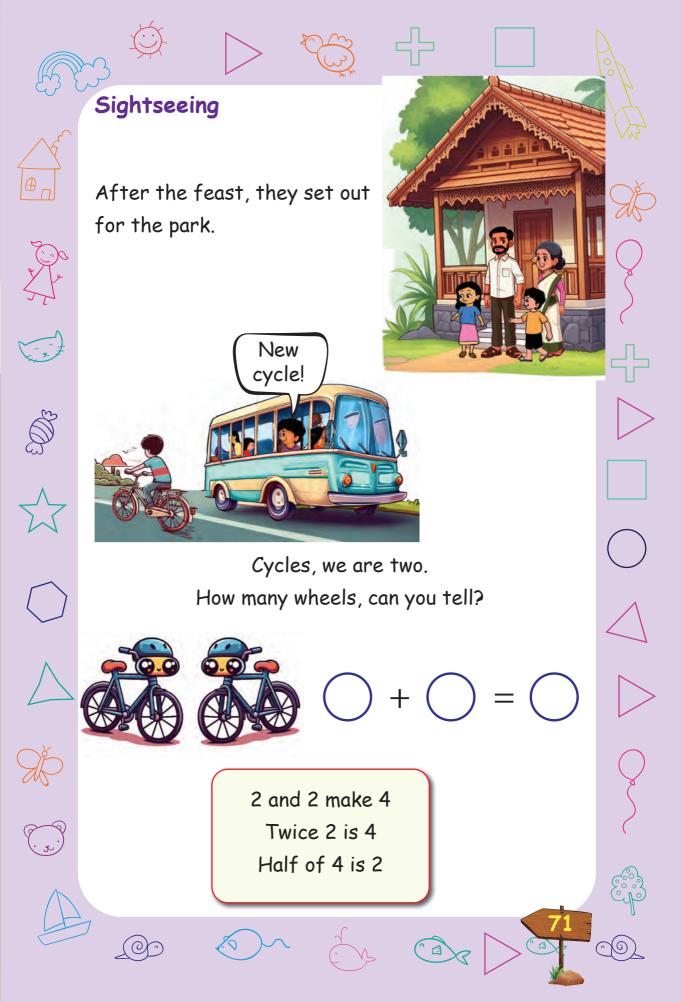


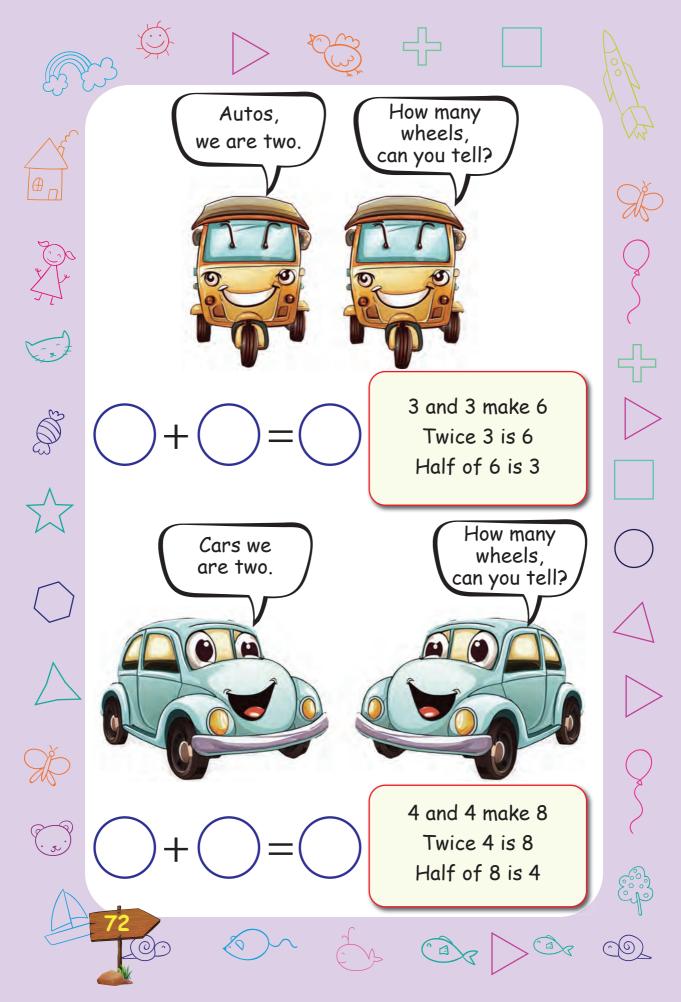












Niya's song

Cows moo and moo One and one make two Tigers roar and roar Two and two make four Puppy licks and licks Three and three make six Giraffe standing straight Four and four make eight Lion is in his den Five and five make ten



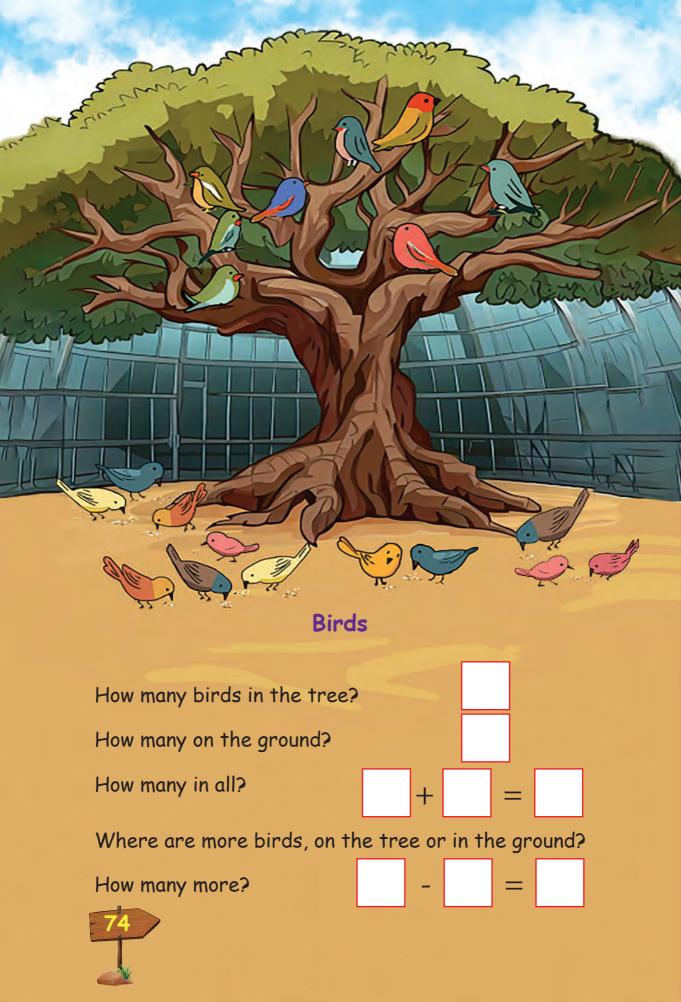


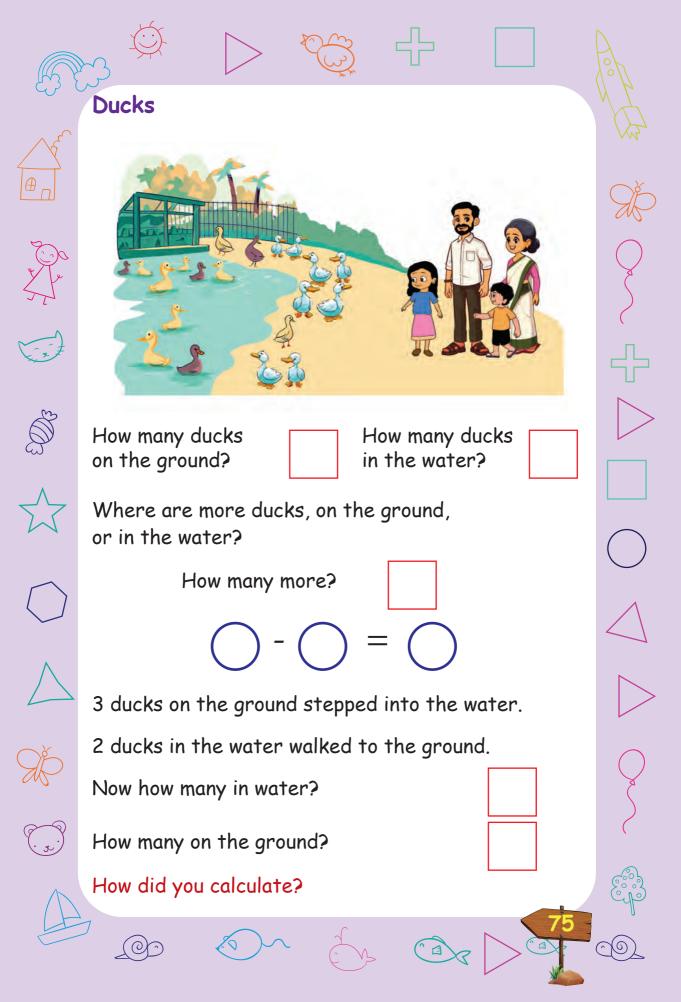


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Number	Double
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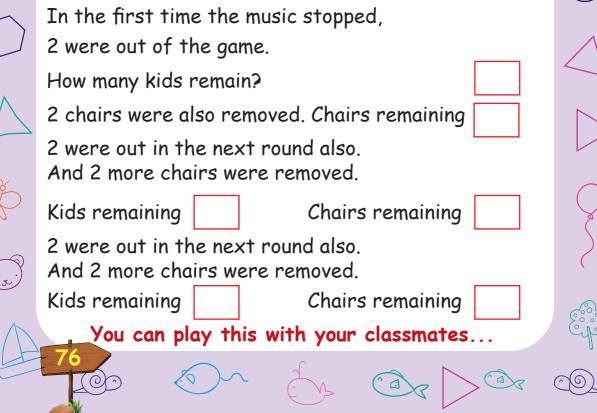




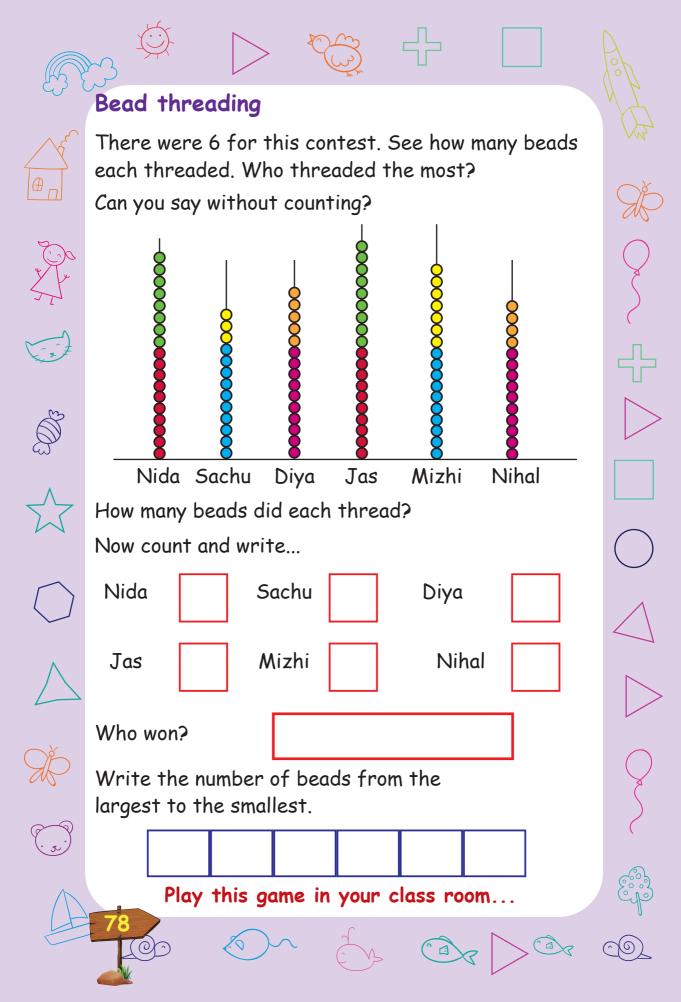


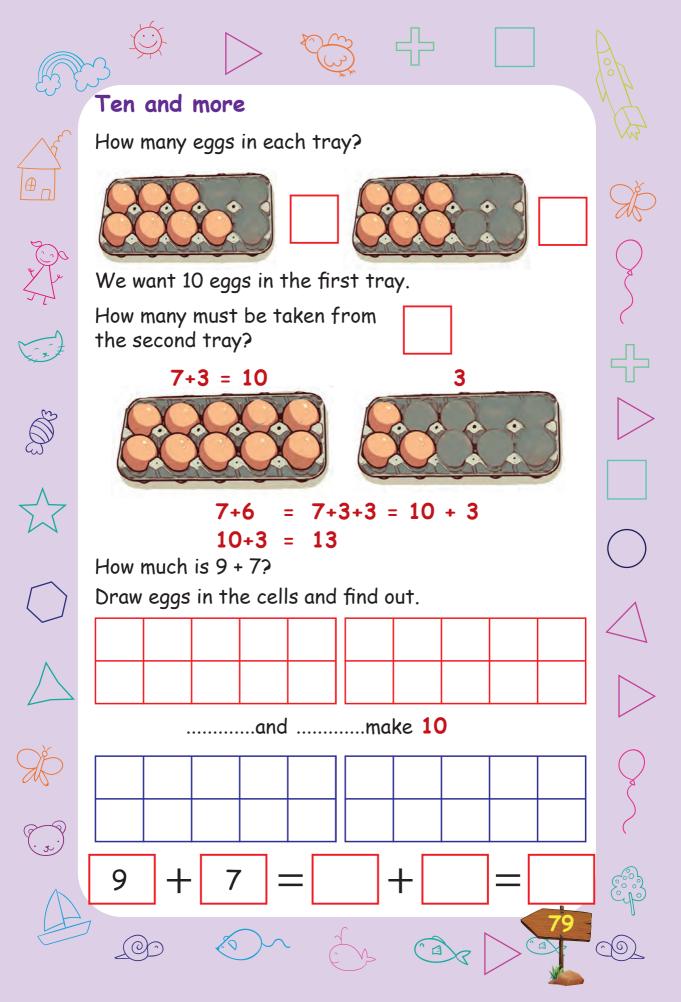
All went to the Onam-fest at the club. Musical chairs about to start! There are 13 children and 11 chairs. When the music stops, two without seats will be out of the game.

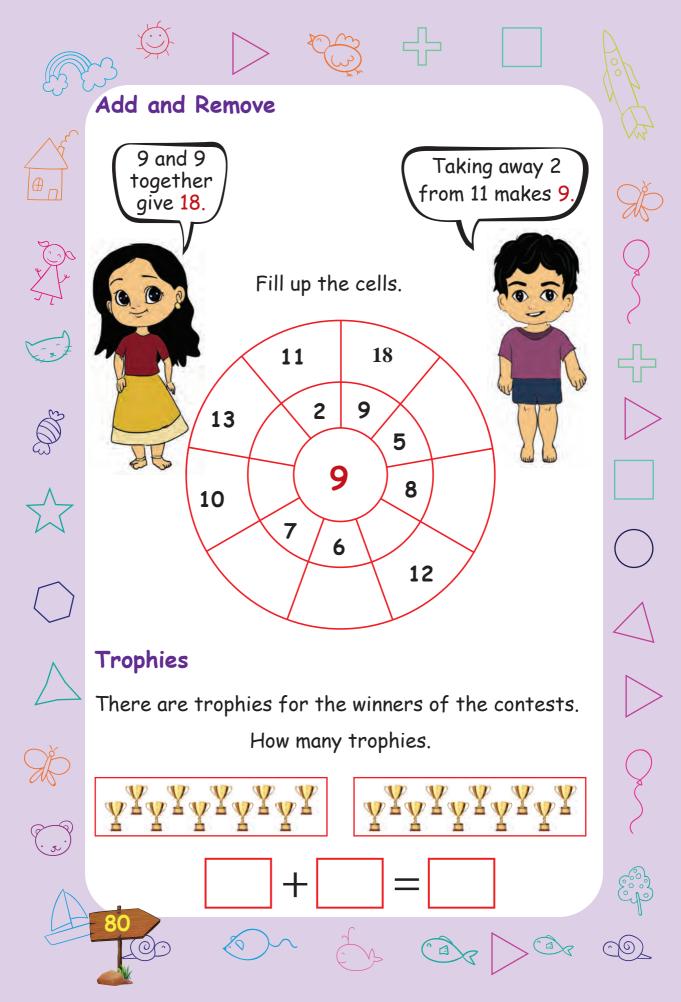


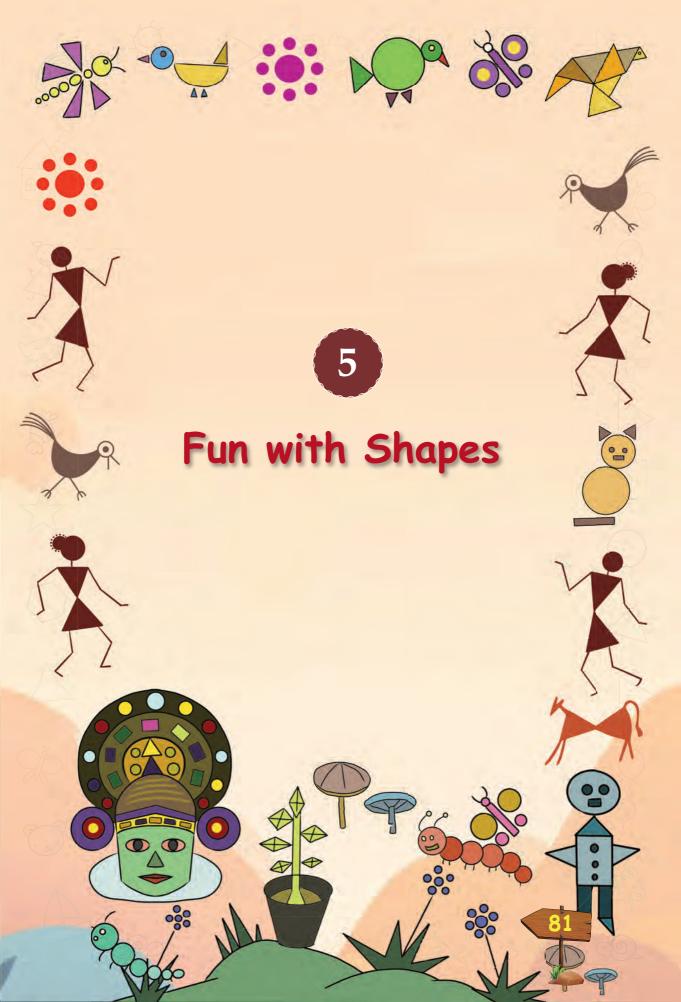














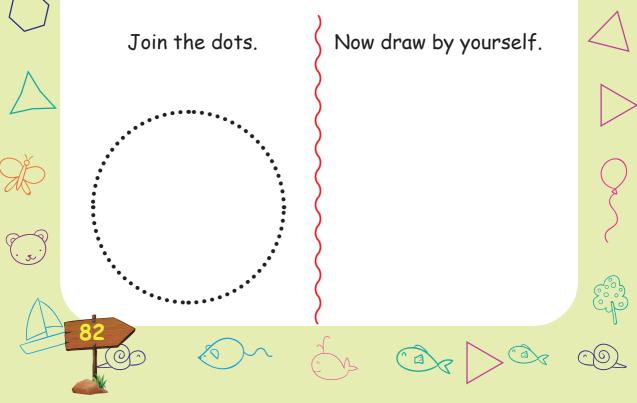
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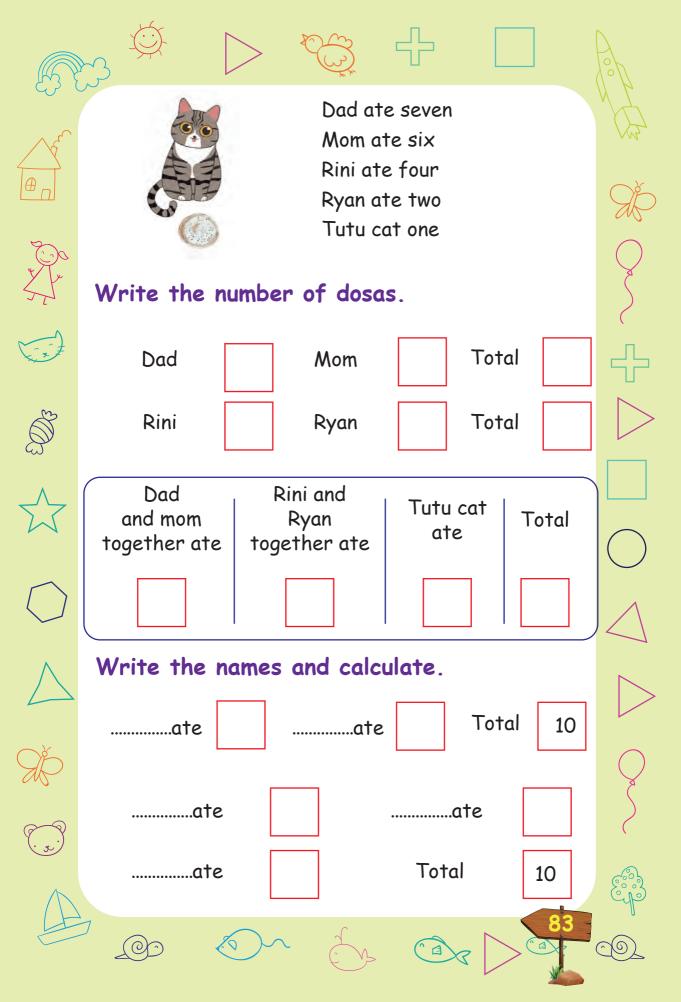
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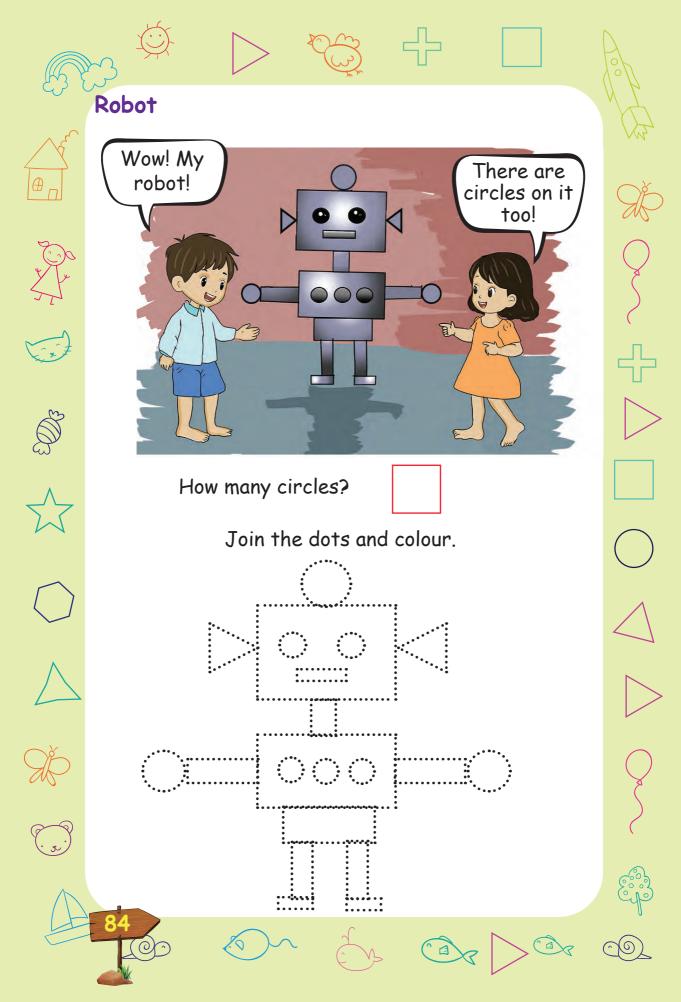
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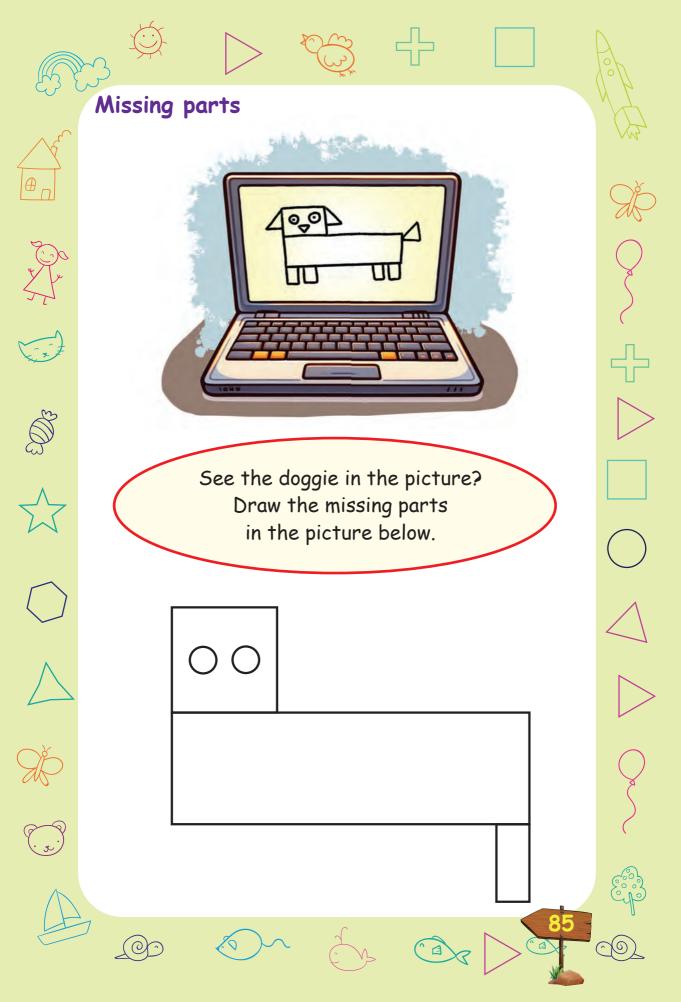
Dosa, dosa! Hissing dosa Sizzling dosa Dad making dosa Mom serving dosa Small and round dosa Nice and tasty dosa

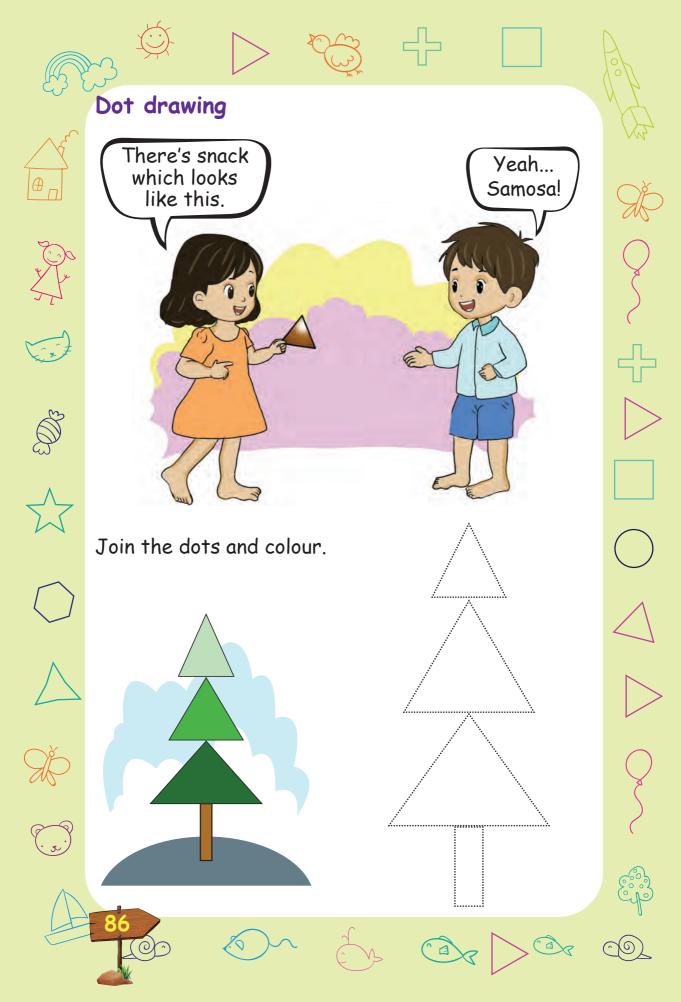
# Let's draw a dosa.



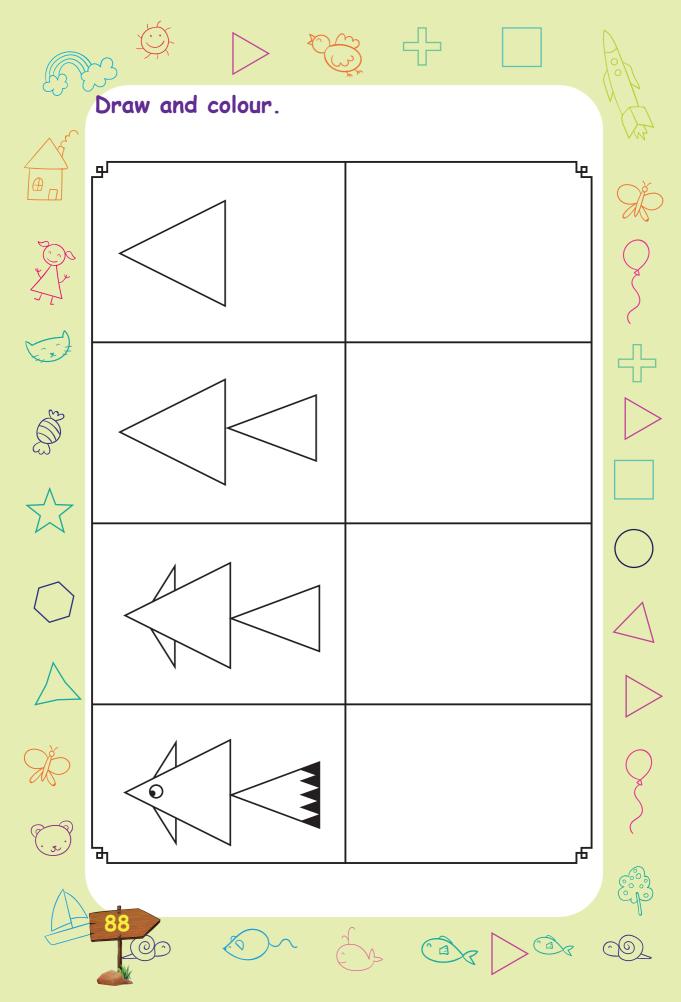


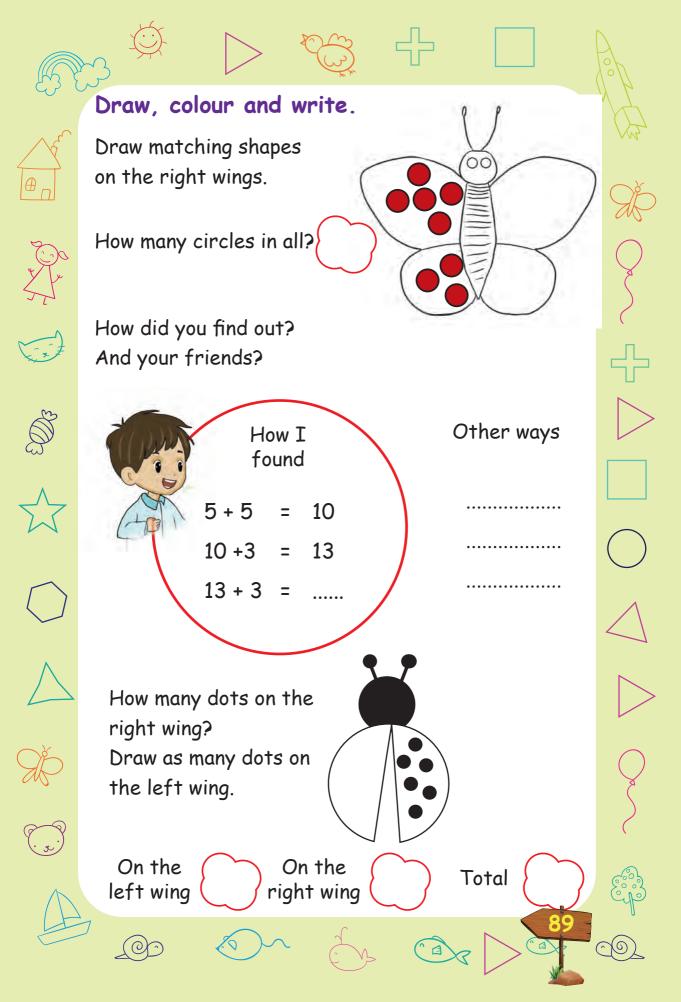


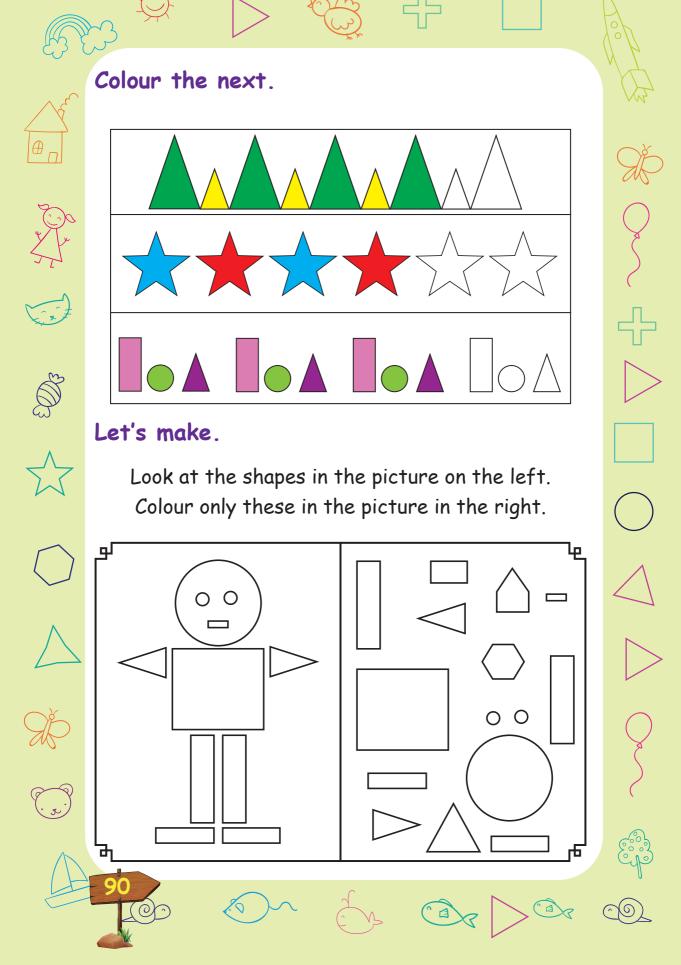


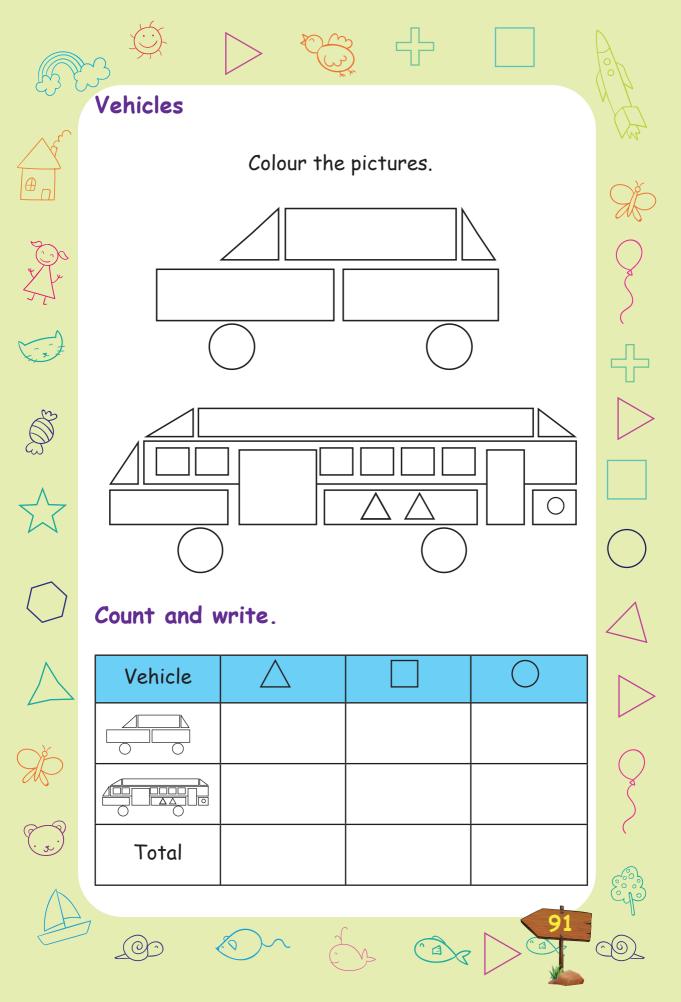


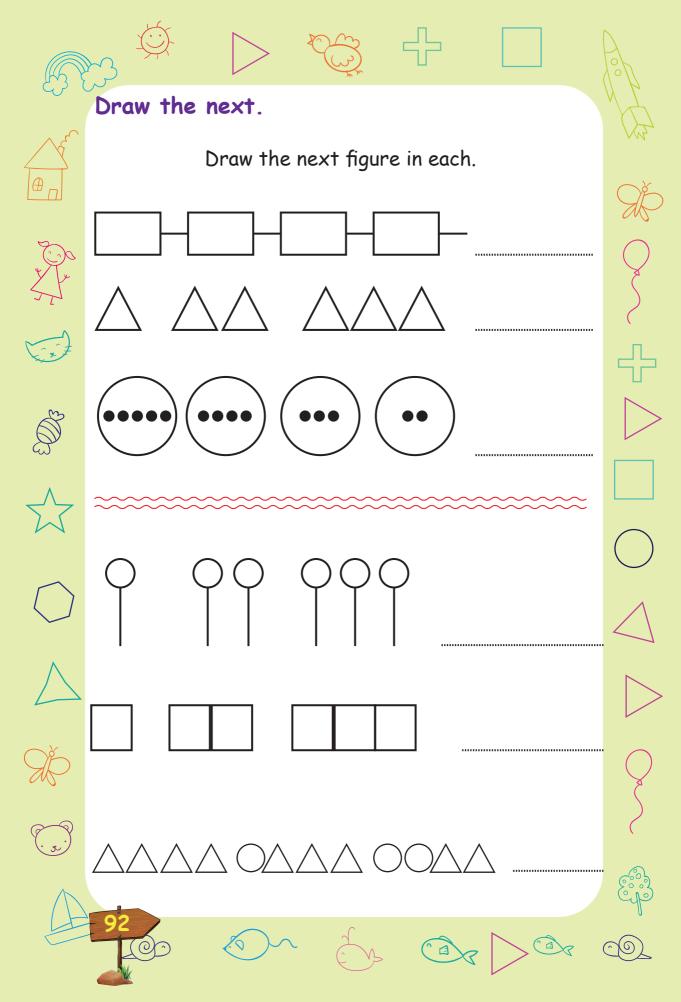












# Connections Connect each figure at the centre to objects of the same shape. ⊕ 2 Draw any object of the same shapes seen around you. O6

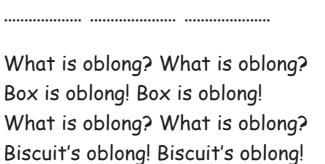








What is round? What is round? Dosa is round! Dosa is round! What is round? What is round? Bangle is round! Bangle is round!

























# 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 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:

# Kerala State Commission for Protection of Child Rights

'Sree Ganesh', T. C. 14/2036, Vanross Junction Kerala University P. O., Thiruvananthapuram - 34, Phone : 0471 - 2326603 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