

ગુજરાત શૈક્ષણિક સંશોધન અને તાલીમ પરિષદ, ગાંધીનગરના પત્ર-ક્રમાંક
જીસીઈઆરટી / સી એન્ડ ઈ / ૨૦૧૪ / ૨૨૨૨, તા. ૩-૨-૨૦૧૪-થી મંજૂર

Maths-Environment

Use Teachers' Edition separately
prepared for teachers and parents

Koojan

Standard 2
(First Semester)



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

I pledge my devotion to my country and its people.

My happiness lies in their well-being and prosperity.

Price : ₹ 30.00

Name of Student : _____

Name of School : _____

Class : _____ Roll No. : _____



Gujarat State Board of School Textbooks

'Vidyayan', Sector 10-A, Gandhinagar-382010

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PREFACE

In keeping with the guidelines laid down under NCF-2005 and RTE-2009, structural pedagogical changes have come about in primary education, curriculum and syllabus design and textbooks across India. This change refers to our understanding of concerned subjects and teaching-learning procedure on the whole. The primary objective of this syllabus is to foster creativity, out-of-box thinking, logical and analytical skills among young children keeping this approach in mind, the Textbook Board of Gujarat takes pleasure in introducing the textbook of **Standard 2 Koojan (Maths-Environment, First Semester)** to students, teachers and parents painstakingly prepared by G.C.E.R.T., Gandhinagar.

IGNUS-erg Team Members have provided vital inputs and guided the State Resource Group members in the entire process of framing new syllabus and designing the textbooks. UNICEF and the core-group members of the concerned subjects have been quite helpful at various junctures.

Before prescribing this textbook in the schools across Gujarat, Gujarati edition book had been introduced in selected schools on an experimental basis. Based on the feedback received from the stakeholders, necessary changes have been incorporated by Gujarat Council of Education and Research Training.

Gujarat State Board of School Textbooks convened a meeting of invited subject-experts and experts from GCERT to prepare the final draft of Gujarati edition textbook before prescribing it in the primary schools across Gujarat.

After that Gujarat State Board of School Textbooks has invited experienced teachers to translate it into english and subject expert teachers reviewed this book and then final edition is prepared.

Every effort has been made to maintain quality of the book and to cater to the taste of young students. We hope that young children will like the four-coloured form of this textbook and make the optimum use of this book. Efforts have been made to make this text book errorfree. Still we solicit suggestions from all the stakeholders.

Dr. Bharat Pandit
Director

Date : 3-3-2015

Dr. Nitin Pethani
Executive President
Gandhinagar

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Printed by :

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 and 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 achievement;
- (k) To provide opportunities for education by the parent or the guardian, to his child or a ward between the age of 6 and 14 years as the case may be.

*Constitution of India : Section 51-A

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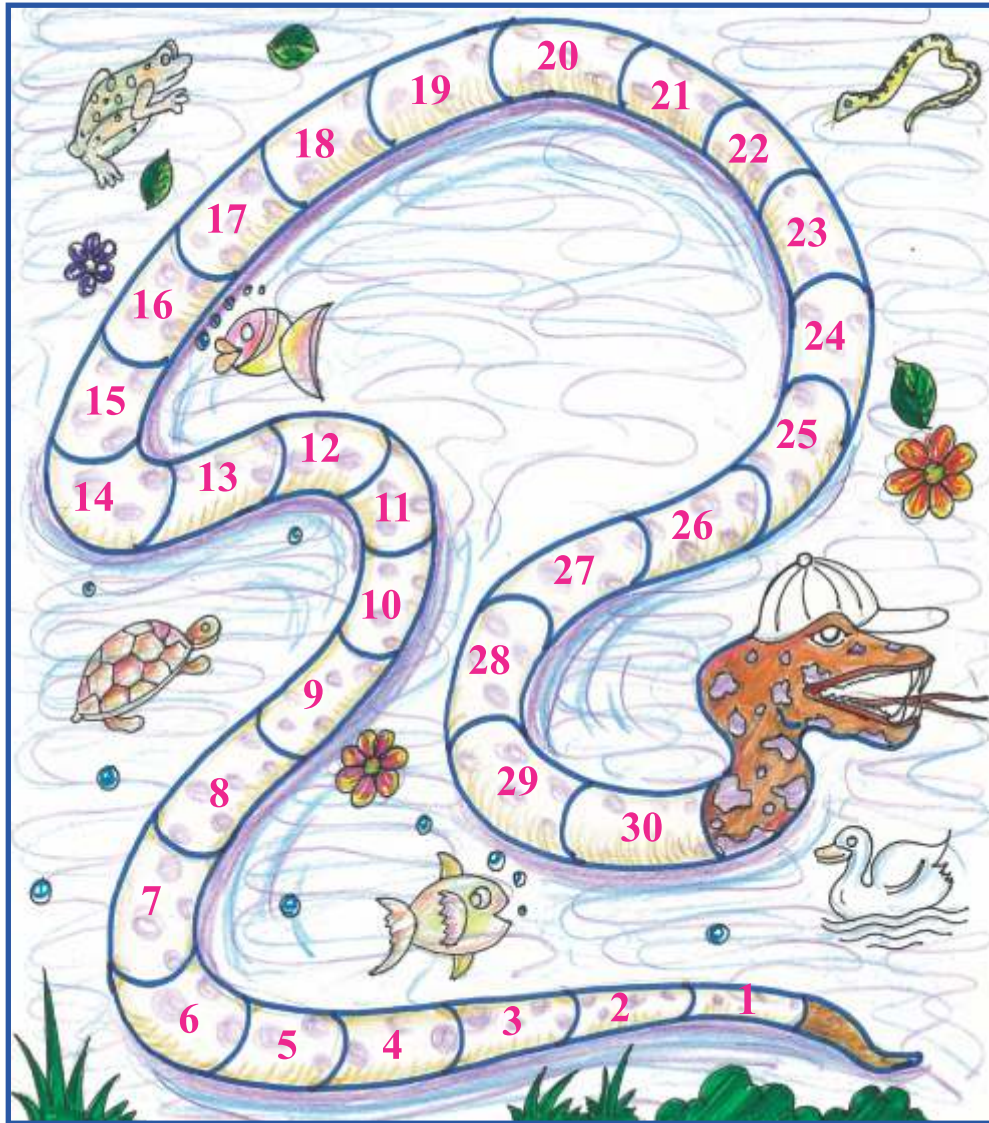
Identification of specific icons used in the book



1. Let us Count



Classroom Game :



- Begin from 1 to reach 30.
- Roll one dice. Get the number and move that many blocks forward.
- Roll 2 dices. Get two numbers. Add them and move that many blocks forward.

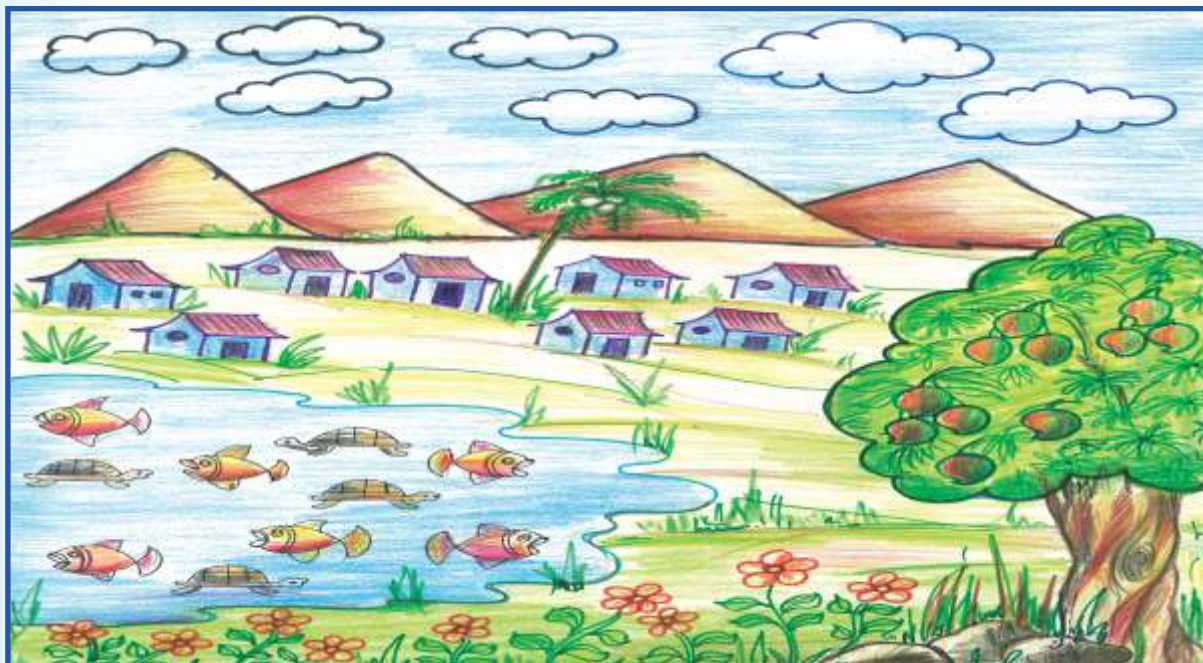




Observation :



Discussion :



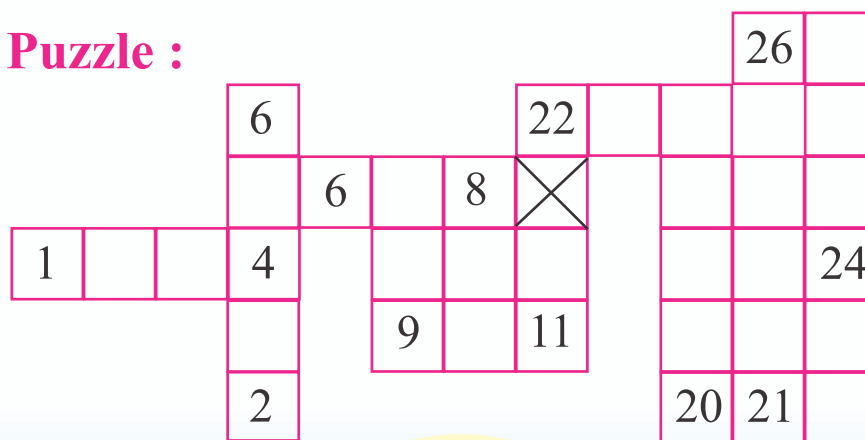
Count :



Write :

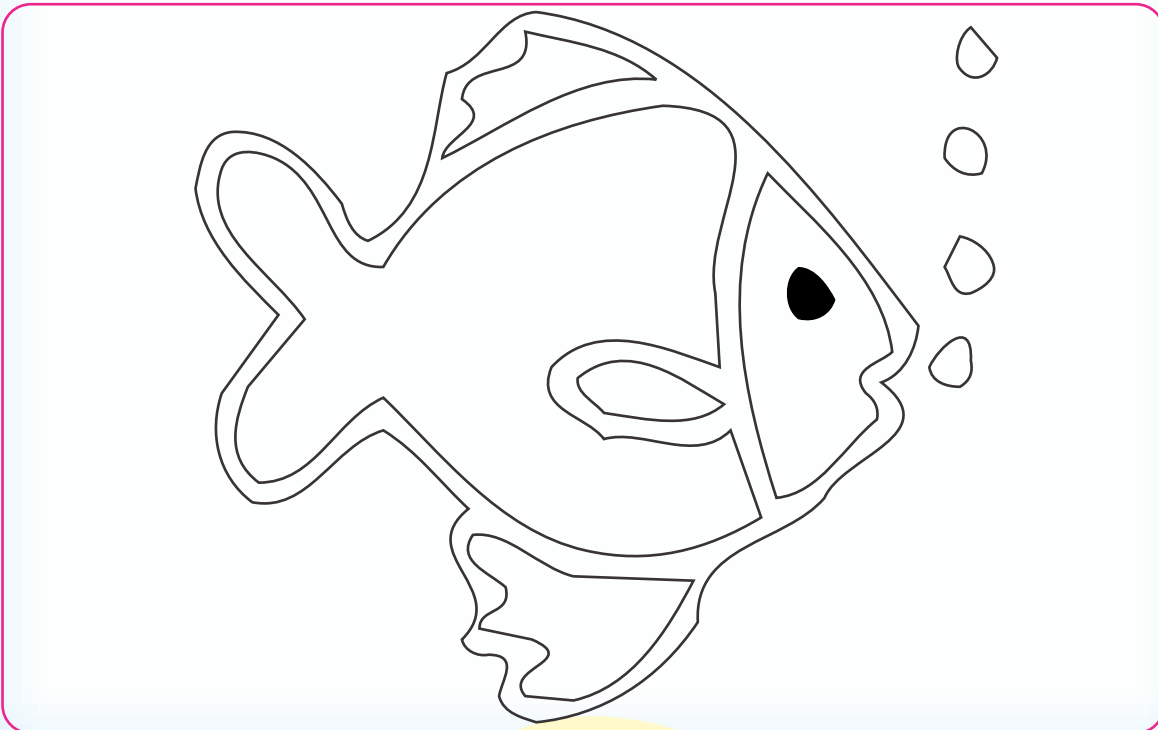


Puzzle :



**Observation :****Write :**

● Colour of hills	
● Colour of leaves	
● Colour of clouds	
● Colour of mangoes	
● Colour of tortoise	
● Colour of fish	
● Colour of grass	

**Colour :**



Write :



Colour :

☆	😊	☆	😊	☆	😊	☆	😊
1				5			8
	15		13				9
17		19		21			
	31		29		27		25
33				37			40
		46			43		
49		😊	☆	😊	☆	😊	☆

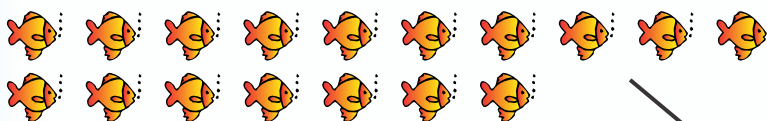
1	7	9	3



Count :



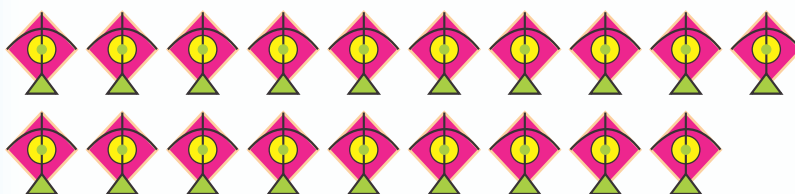
Observe and Do :



20



16



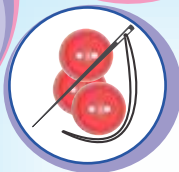
17



19



15



Activity :



Outdoor Game :



Colour :

	+		<input type="text"/>	5
	+		<input type="text"/>	6
	+		<input type="text"/>	4
	+		<input type="text"/>	7
	+		<input type="text"/>	8



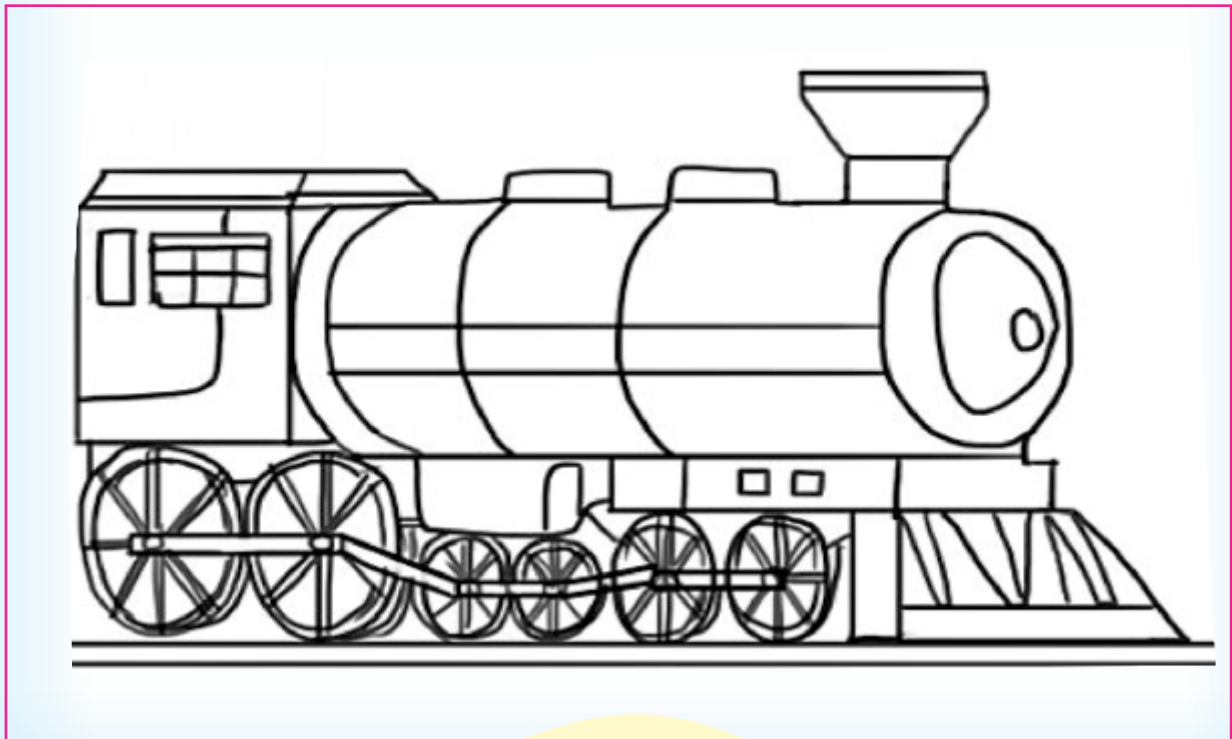
Observe and Do :



Colour :



Colour :





Observation :



4



1



3



2



Observe and Do :



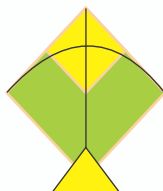
Write :





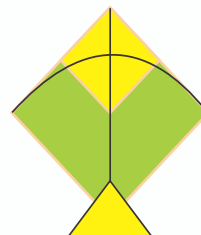














Observation :



Write :



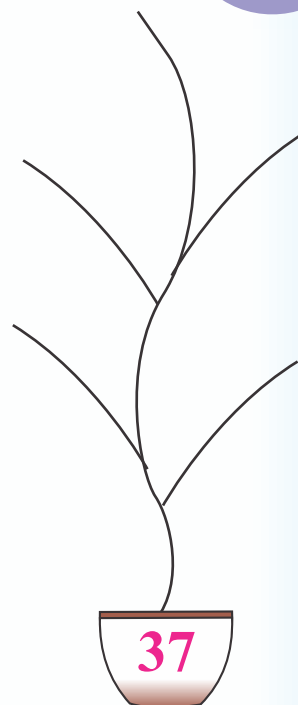
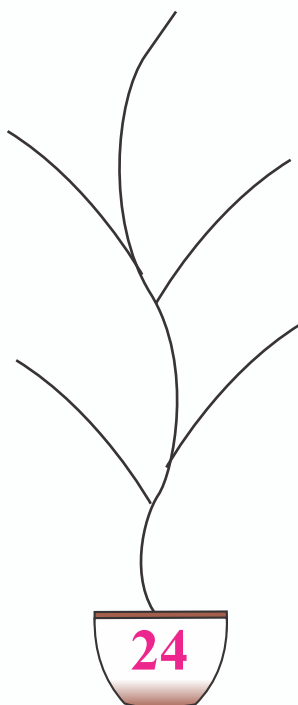
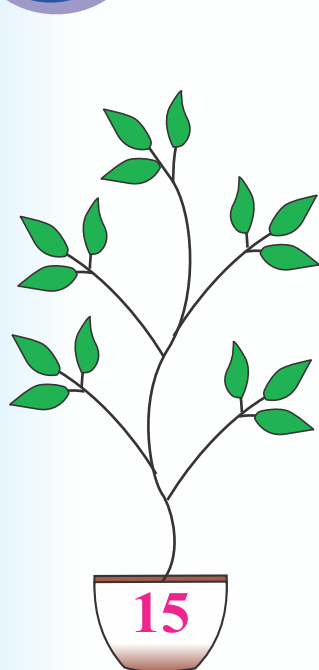




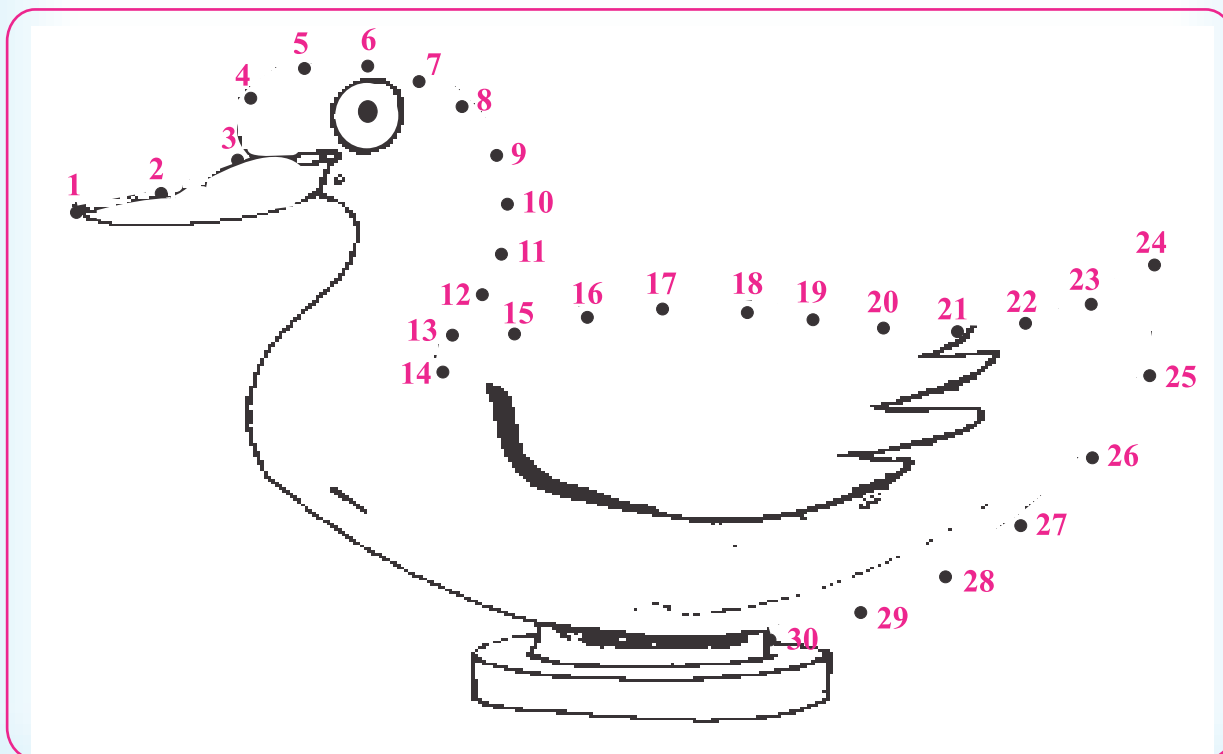


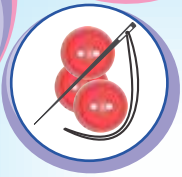


Observe and Do :



Colour : (Join the numbers in order to complete the picture and colour it :)





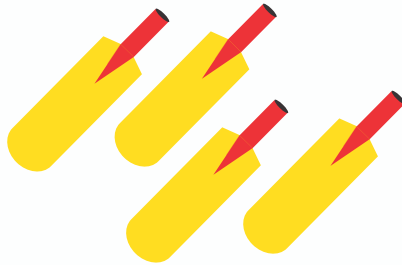
Activity :



.....



.....



.....



.....



.....



Puzzle :

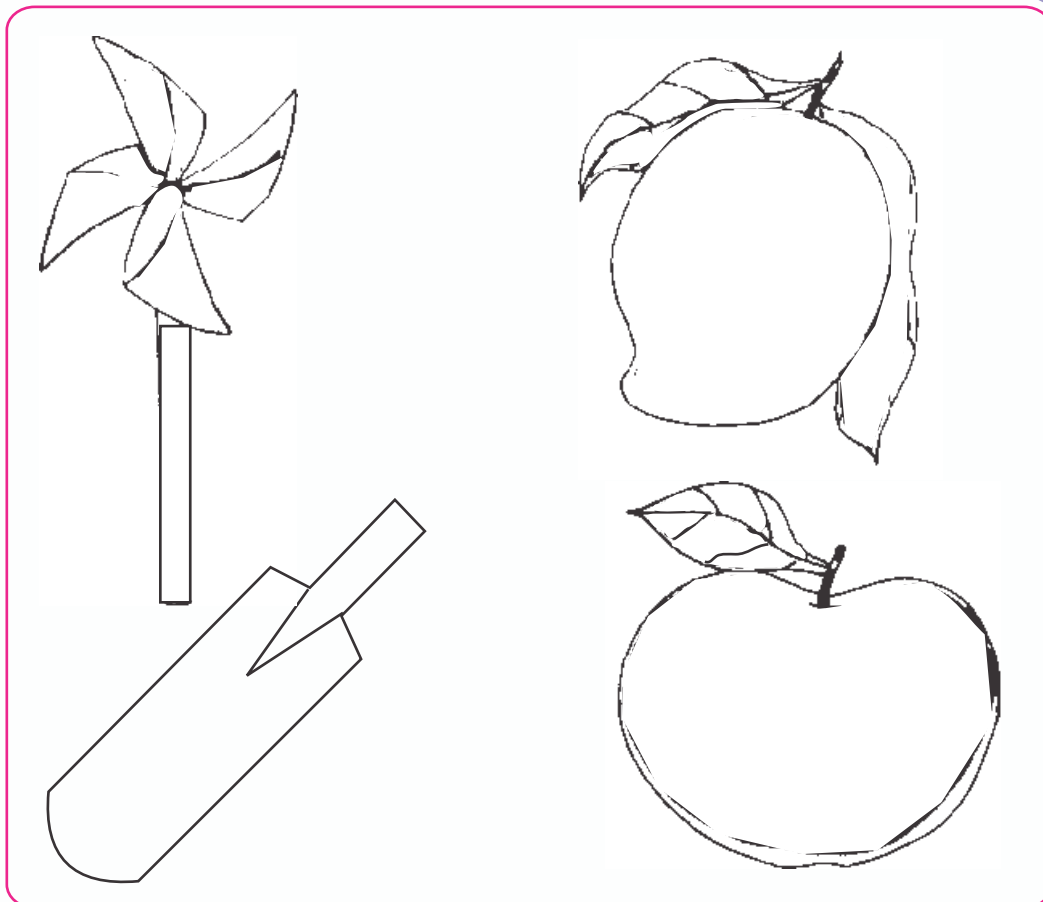
$3 + 8 = \square$	$9 + \square = 22$
$9 + 14 = \square$	$17 + 7 = \square$
$\square + \square = 17$	$\square + 9 = 32$



Colour :



Discussion :



Colour :

Sweet

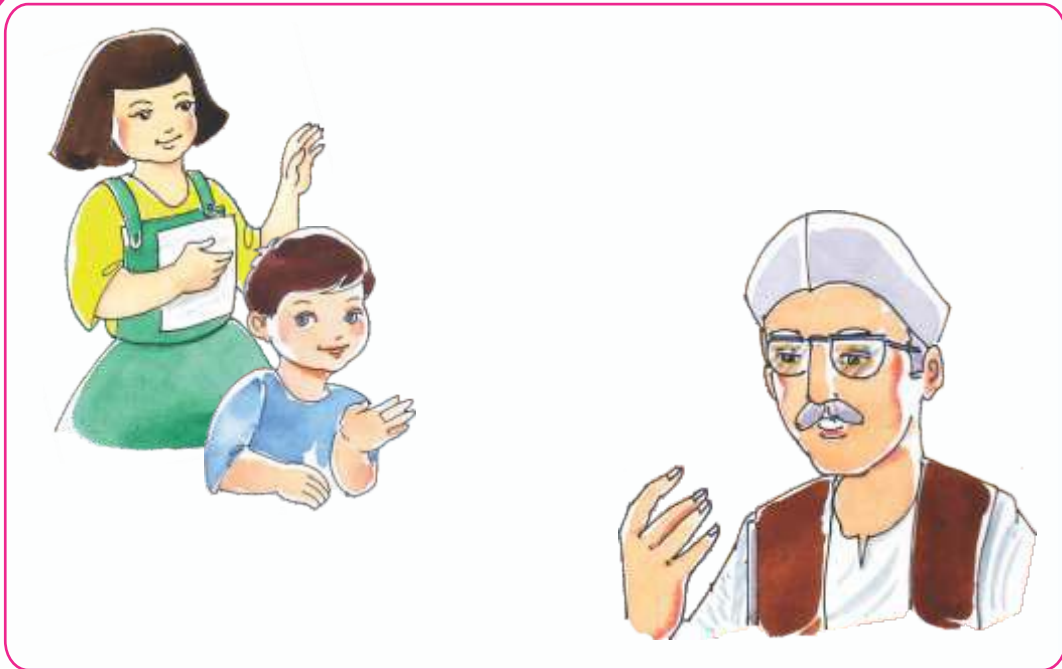
Person

<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

2. My Grandfather



Song :



Think and Say :

Who is the oldest member in your family ?

Who is the youngest member of your family ?

Whom do you consult when you fall sick ?









Write :

Black	Buffalo,
White	Cow,

**Discussion :****Write :**

Father's brother	Uncle
Maternal uncle's sister	
Mother's mother	
Father's father	

**Observation :****Colour :**

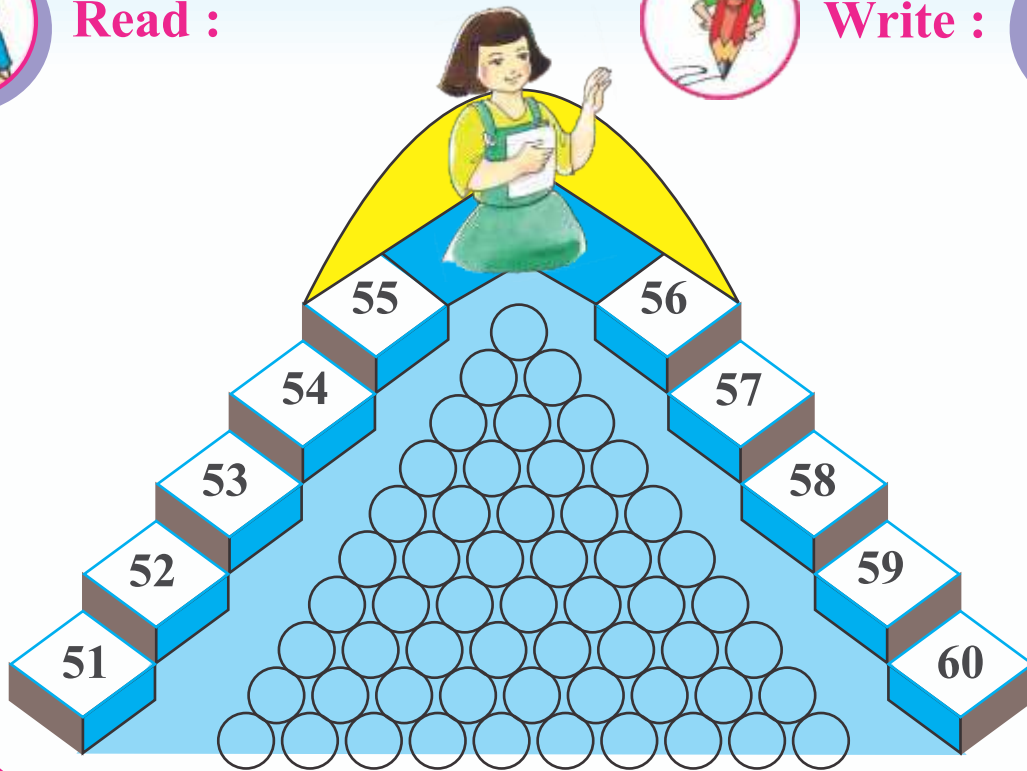
		
○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○
		
○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○



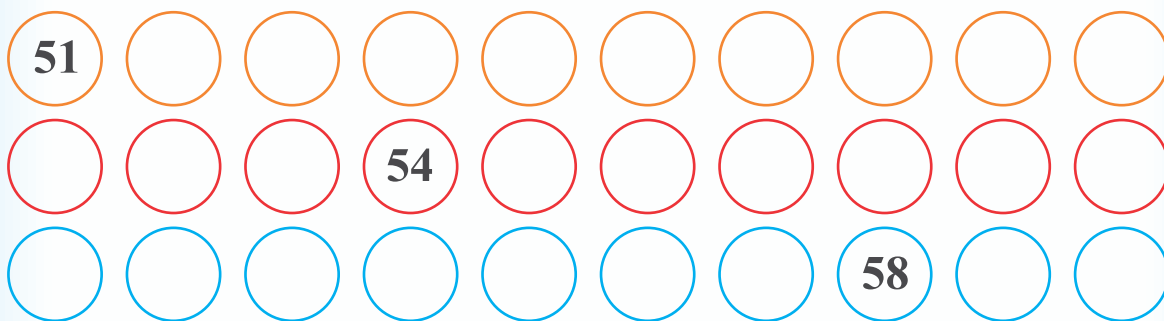
Read :



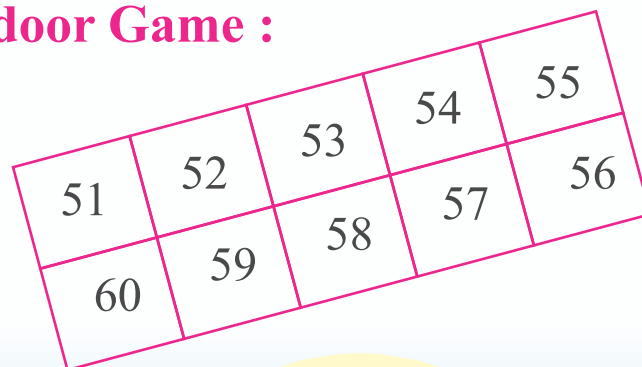
Write :



Write :



Outdoor Game :





Colour :

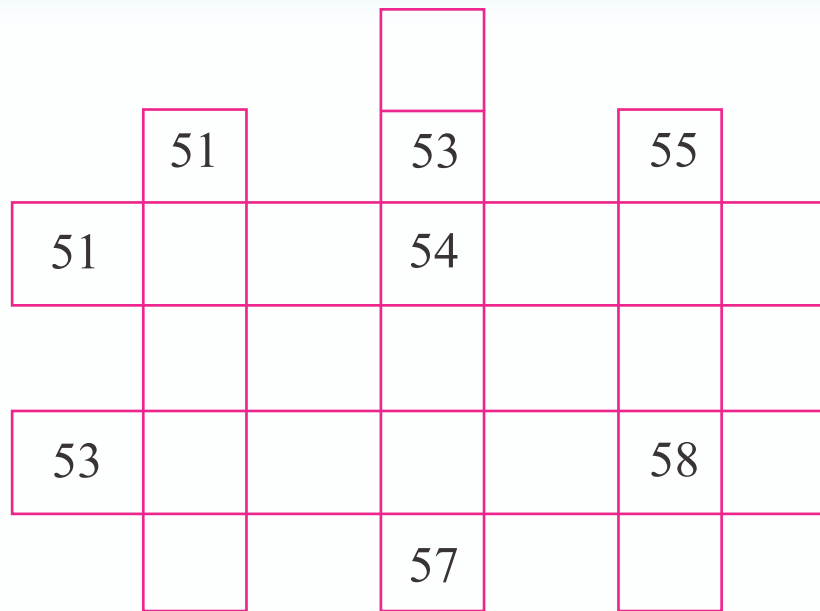


Write :

53			56	
56				
55		57		



Puzzle :



Count :



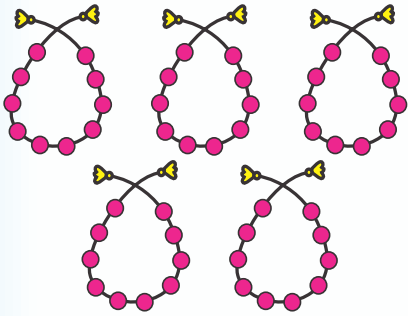

Discussion :

	+		50 and one	<div style="border-bottom: 1px solid black; padding: 5px;">51</div> <div style="padding: 5px;">Fifty one</div>
--	---	--	------------	--

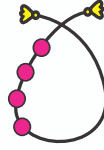


Colour :

△ △ △ △ △ △ △ △ △ △	△ △	
△ △ △ △ △ △ △ △ △ △		
△ △ △ △ △ △ △ △ △ △		
△ △ △ △ △ △ △ △ △ △		
△ △ △ △ △ △ △ △ △ △		



+

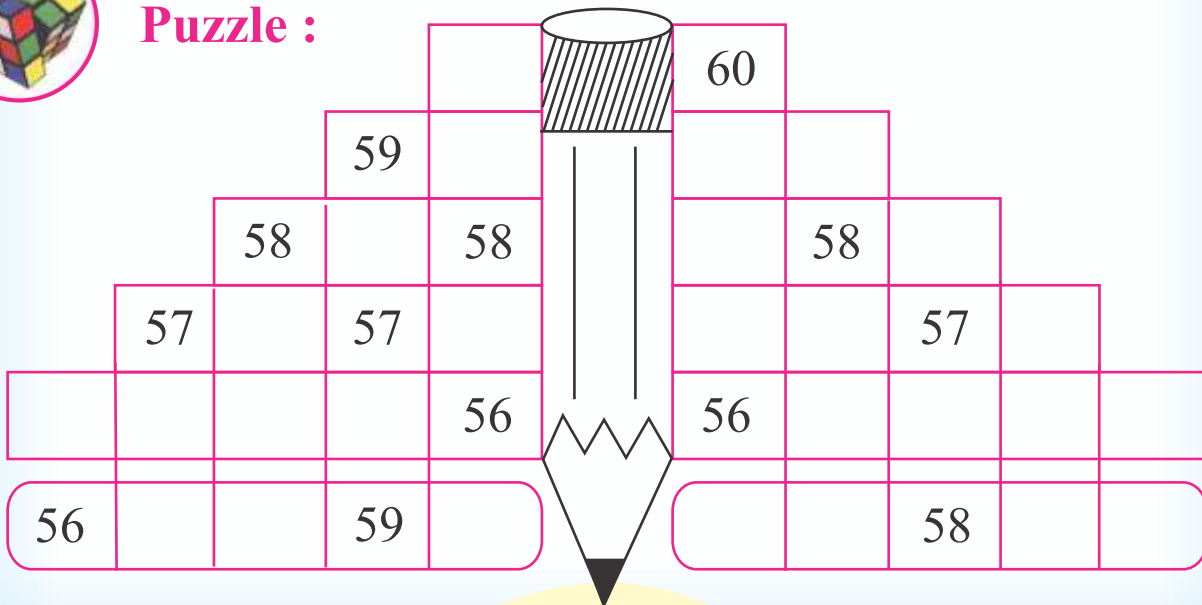


54

Fifty four



Puzzle :





Observation :



Discussion :

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	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				

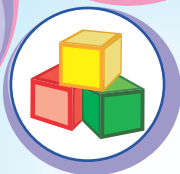


Read :



Write :

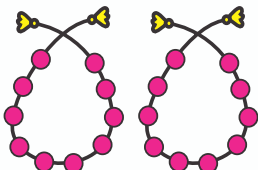
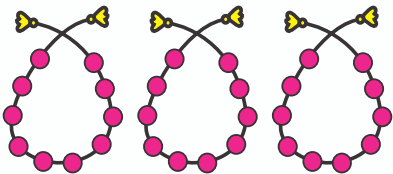

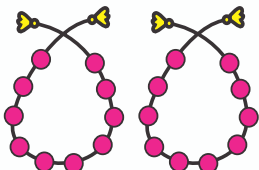
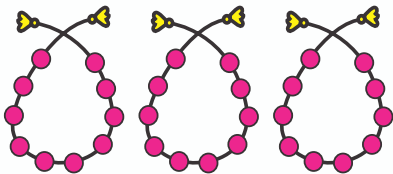

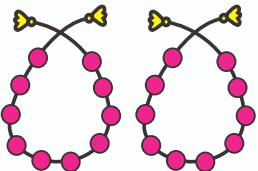
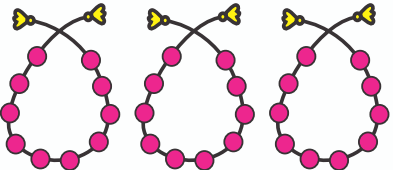

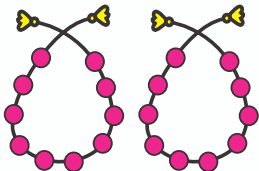
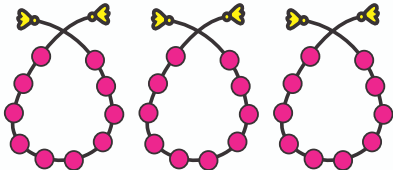

31	Tuesday	Sunday
51		
52		
53		
54		
55		



Count :

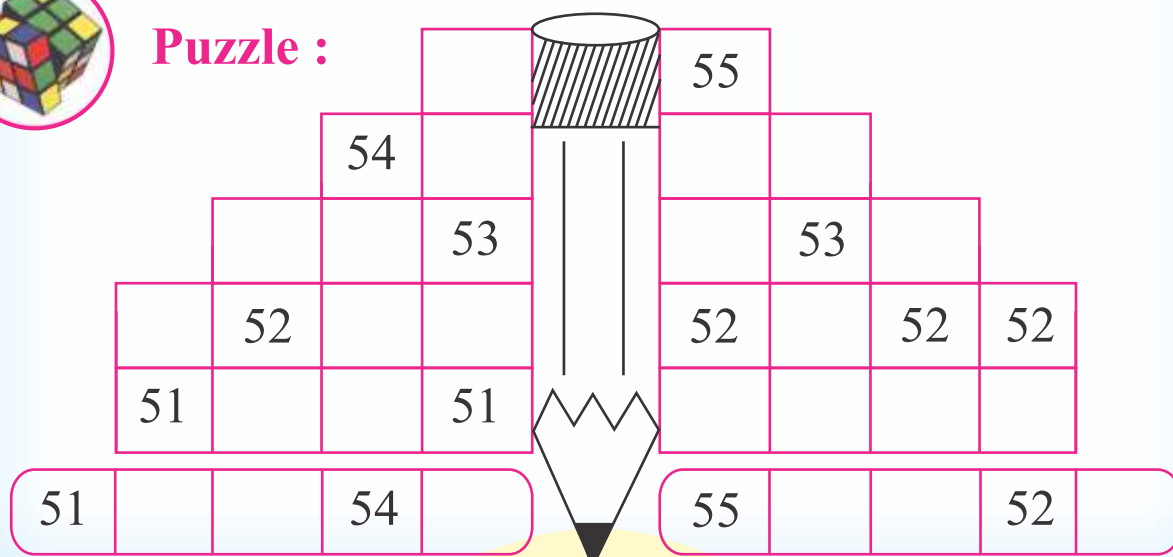


Write :



Puzzle :





Count :



Write :



Read :



Write :

5	6	7	8	9	0
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday

50	Sunday	Friday	58		
56			59		
57			60		



Puzzle :

$$24 = \underline{\quad 11 \quad} + \underline{\quad 13 \quad}$$

$$53 = \underline{\quad \quad} + \underline{\quad \quad}$$

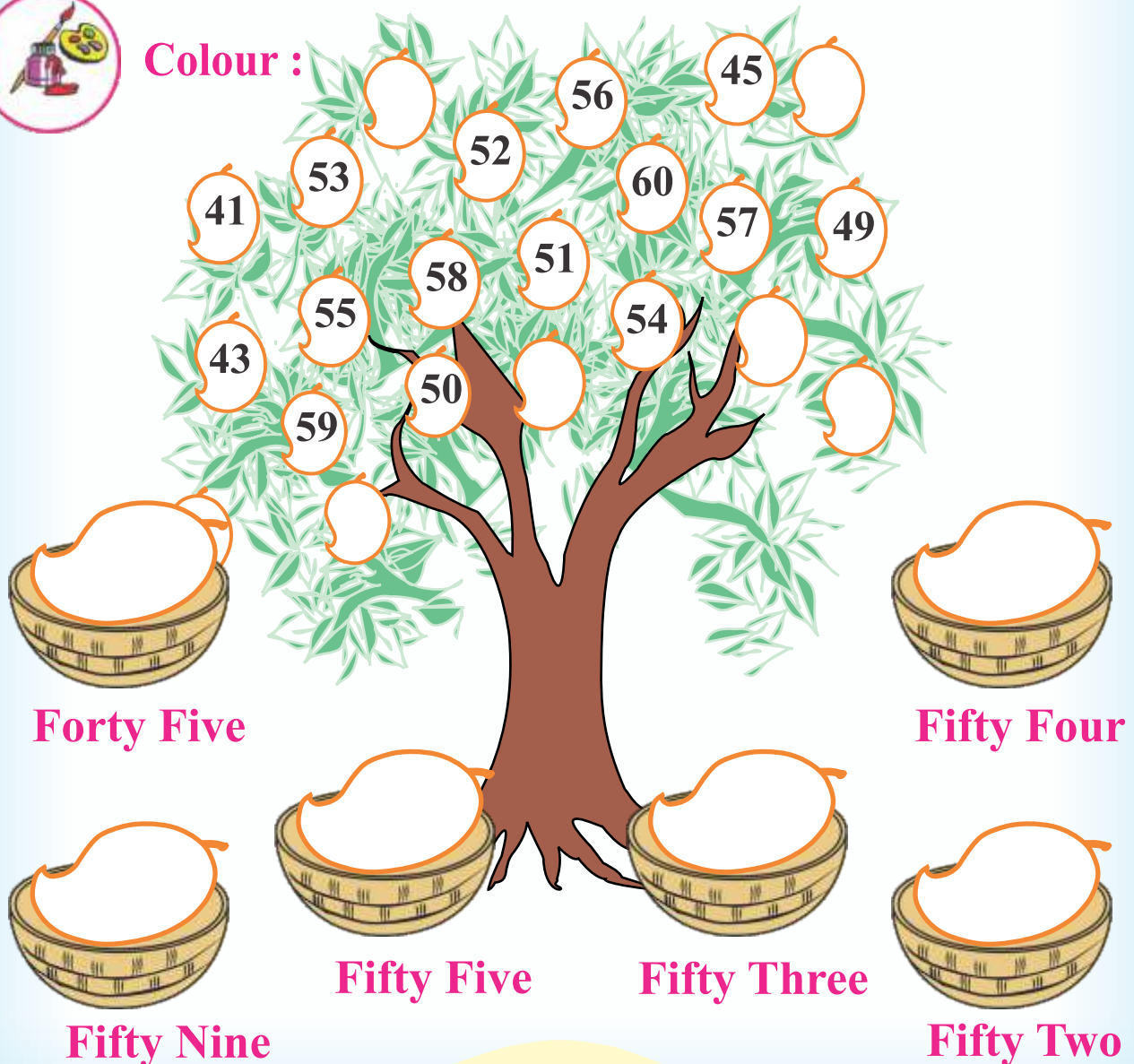
$$58 = \underline{\quad \quad} + \underline{\quad \quad}$$

$$54 = \underline{\quad \quad} + \underline{\quad \quad}$$

$$57 = \underline{\quad \quad} + \underline{\quad \quad}$$



Colour :





Discussion :

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	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	



Puzzle :



3	+	Wednesday	=	18
23	+	Saturday	=	
17	+	Tuesday	=	
25	+		=	49

3. Kitchen



Observation :

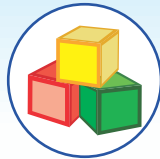
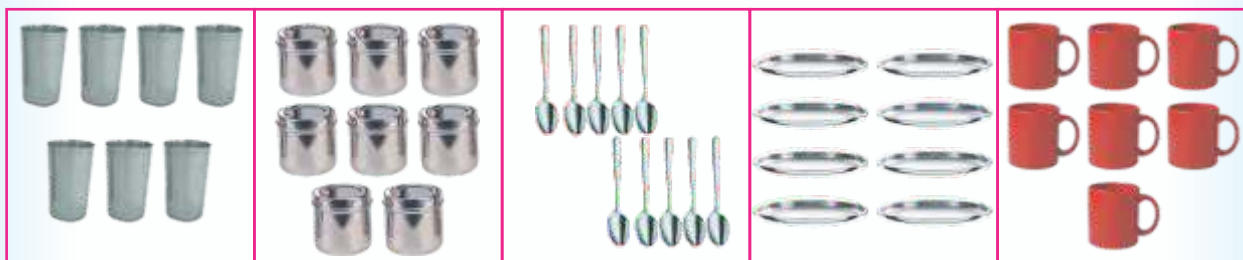


Discussion :




Colour :


Blank box for drawing or writing.

**Observation :****Count :****Read :**

Here, there are total $5 + 7 = 12$ [] cups.

+ = [] are there.

+ = [] are there.

+ = [] are there.

+ = [] are there.

**Discussion :**

Which utensils are there at home ?

Which utensils are not used for eating ?

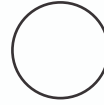
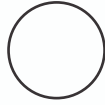
Which utensils are there at home as well as in school ?

Which utensils are there at home but not in school ?



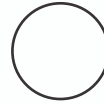
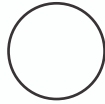
Colour :

$22 + 11$



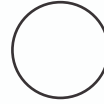
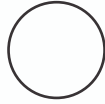
$22 + 21$

$25 + 20$



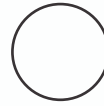
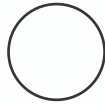
$11 + 14$

$31 + 12$



$12 + 21$

$15 + 10$



$15 + 30$



Think and Say :



Write :

Wood	Steel	Glass	Plastic
Stick			
	Spoon		



Think and Say :



Write :

Sweet item

Salty item

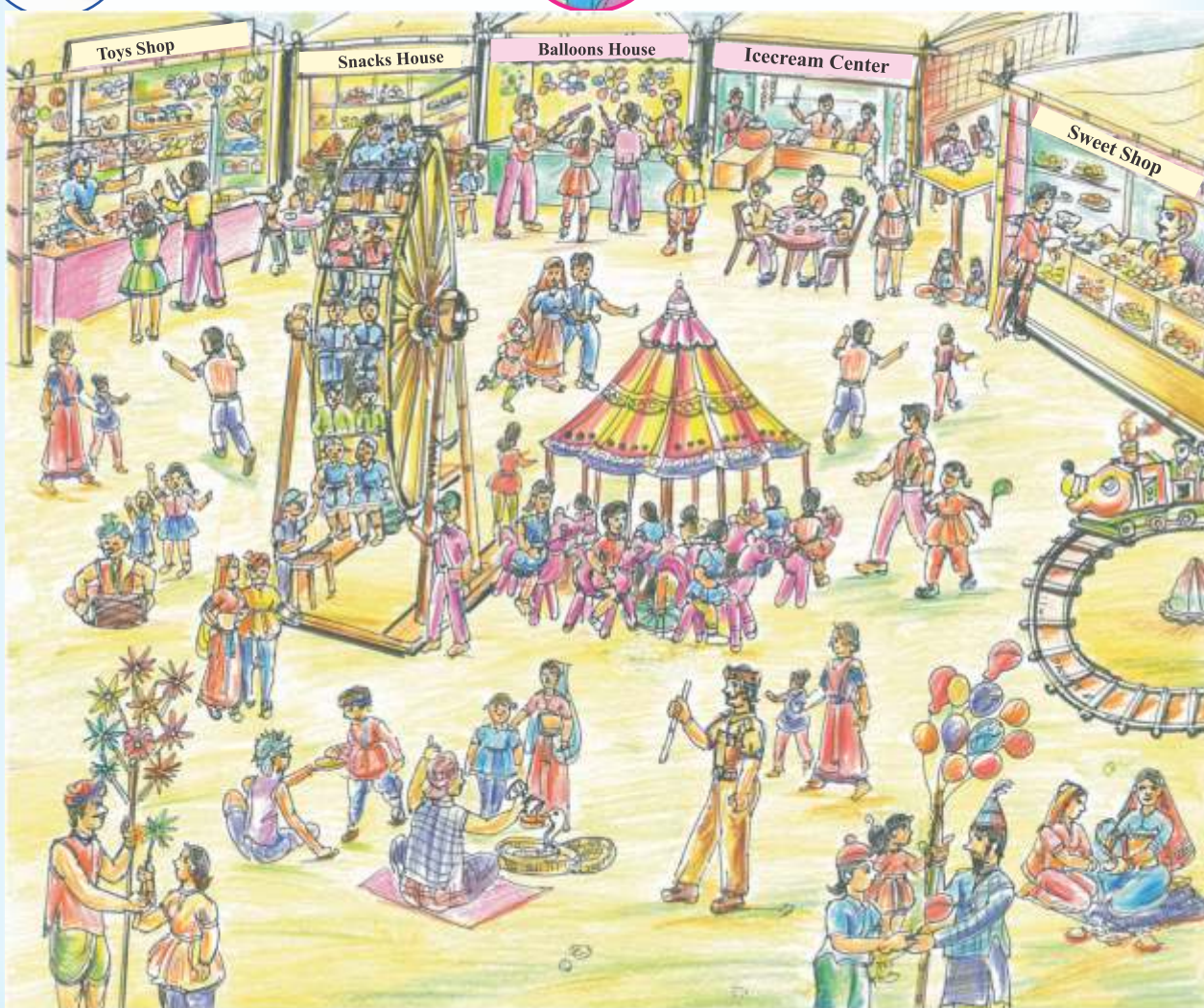
Spicy item



Observation :



Discussion :





Story :



There was a flock of pigeons. The flock had a chief named Kaboo. There was another pigeon named Haboo in it. Kaboo and Haboo used to argue with each other all the time. If Kaboo said, "Let's go this way", instantly Haboo would say, "No, not that way, let's go this way." Kaboo would say, "let's go to the Public bird feeder" (*Chabootaro*). Immediately Haboo would say, "Why not to farm?" Thus, their arguments would go on and on.

Some pigeons of the group were in favour of Kaboo and some of Haboo. The division of the group in two parties was quite evident when they would eat. On one side, there would be Haboo's group and pigeons of Kaboo's group on the other side. Often they used to discuss like this :

"Why would these two quarrel all the time?"

"Because Haboo wants to be the chief of the group."

"Then make him chief. He is young too!"

"But what's wrong with Kaboo? After all he is experienced."

"But now, he has turned old. It is better to have a young leader."

"But their quarrel will be very harmful for the group, some day."

Thus, they all quarrelled but lived together.

One day, all the pigeons of the group were sitting on a temple roof.

"Where would we go for food?"
Asked one pigeon.

Haboo replied, "let's go to farms. There is plenty of grain there."

But Kaboo reacted in a second, "We should not go there. Nowadays, birdcatchers spread net there for catching birds. We would be caught."

Haboo said, "You are frightened because you have turned old now. There are many birds in the farm pecking grain. Nothing to worry."

"Haboo is right. We can not live in fear all the time," said one pigeon.

"Then, let's go to farms..." and everyone was ready to fly, when Kaboo said, "Halt, I am your leader. It's my duty to look after the safety of the group. I will not let you get trapped in a trouble."

And then, there was severe argument in the group. At last, most of the pigeons flew to the farm with Haboo. Some remained with Kaboo. Kaboo said, "These pigeons started following Haboo. But Haboo would be in trouble very soon and these pigeons too."

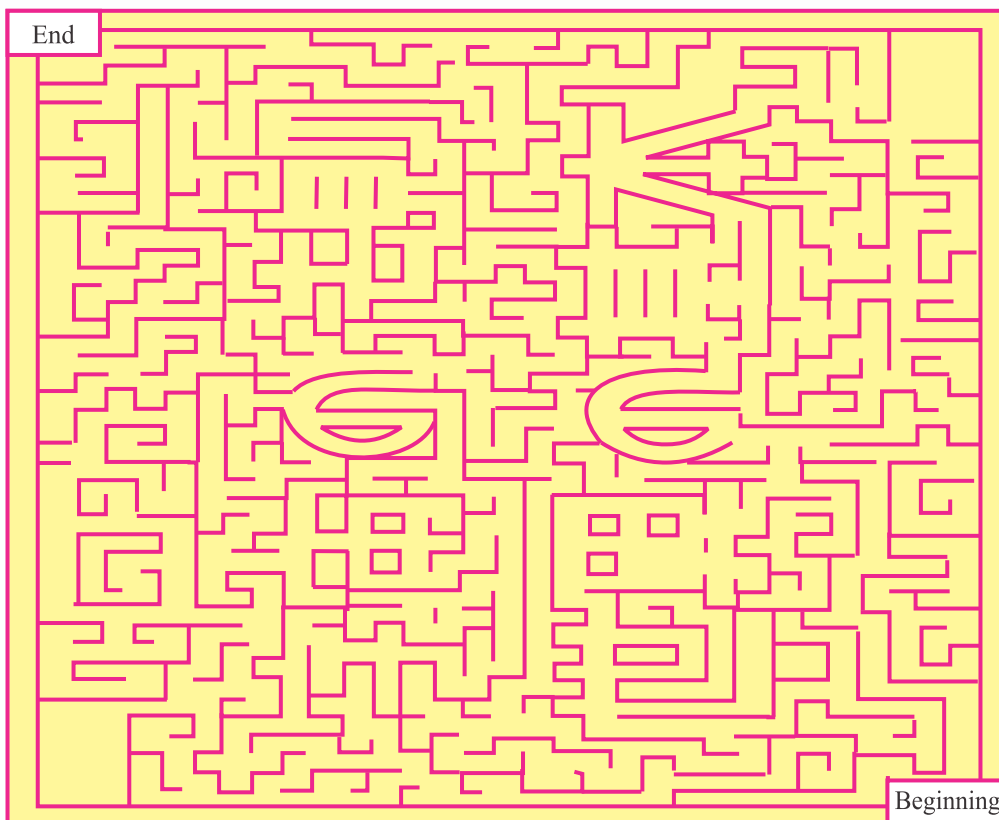
One wise pigeon said, "Let's follow them. We would not go on the ground and eat but would remain seated on the tree, lest they would be in trouble!"

Now, all the pigeons flew to the farm and sat on a nearby tree. Kaboo saw that Haboo and all the pigeons of his group were shouting and crying. "We are caught. Please save us." Kaboo reached there and asked, "What happened?"

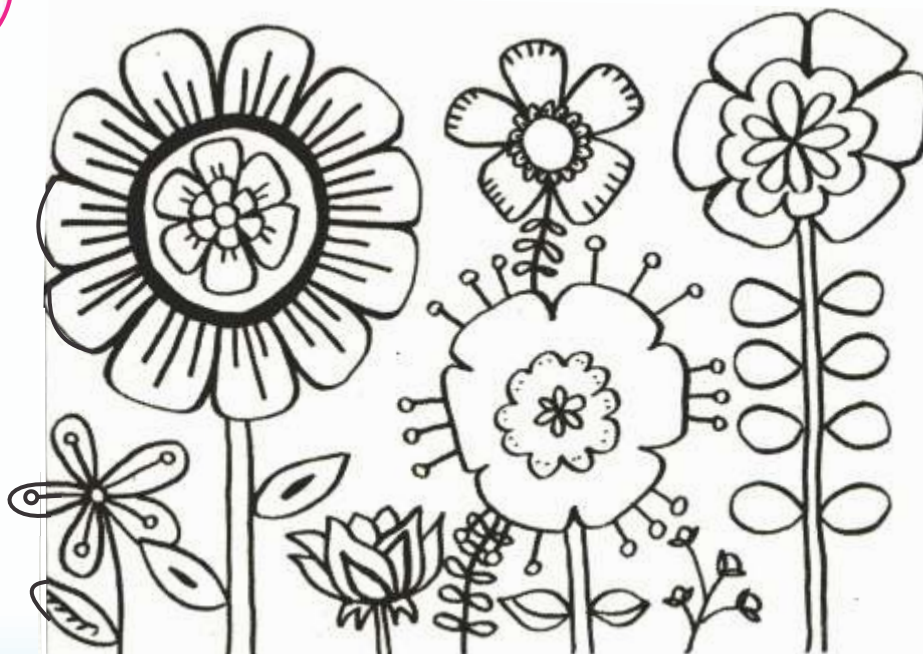
Haboo said, "The bird catcher had spread a net here. We were caught as soon as we came here."



Puzzle :



Colour :

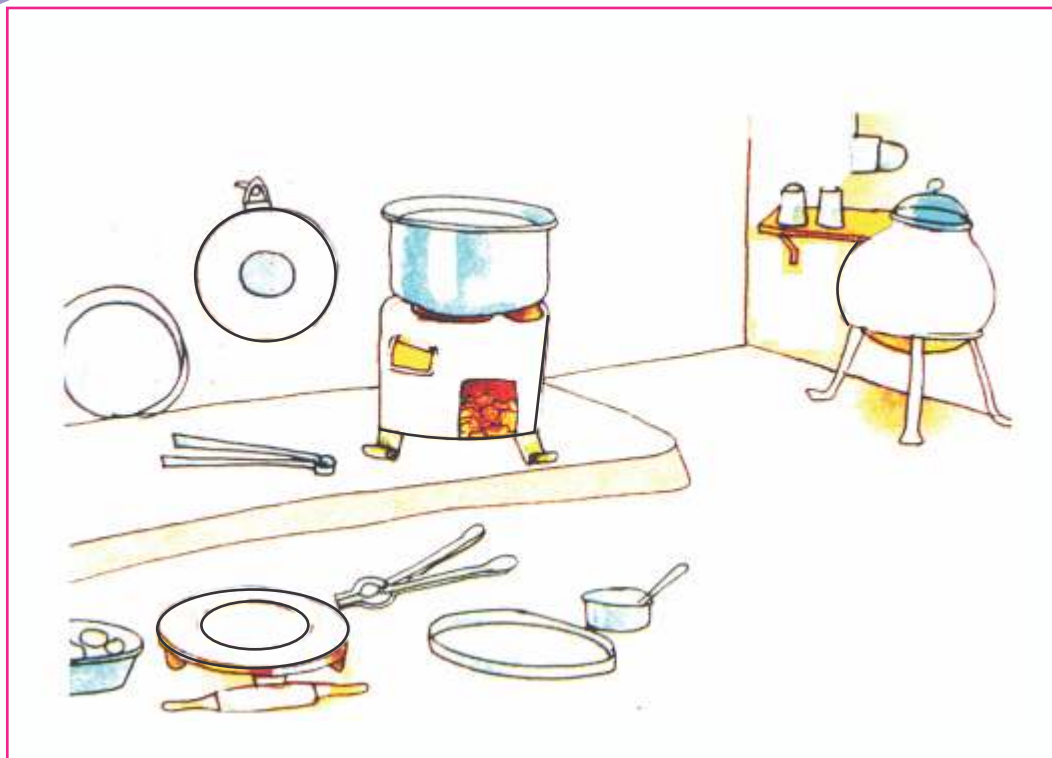




Observation :



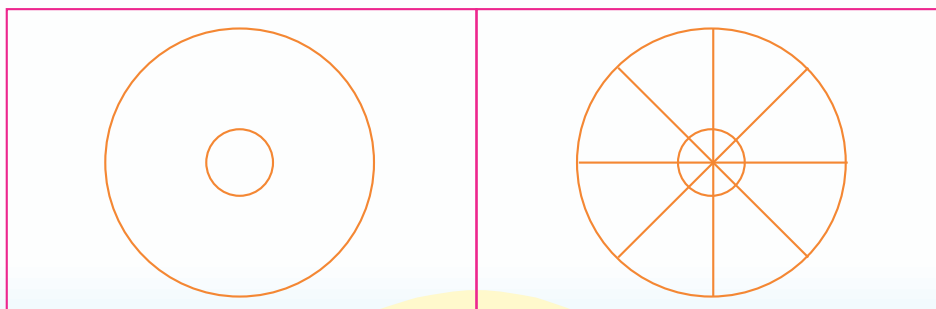
Discussion :

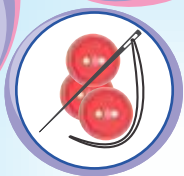


Write :



Colour :

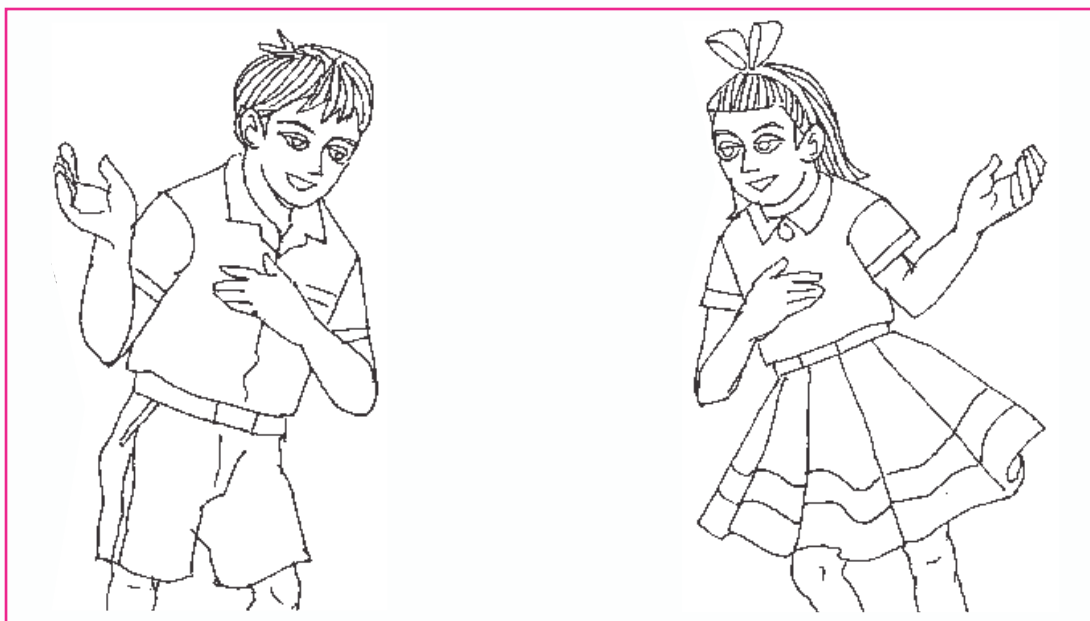







Activity :



Colour :



Puzzle :

	<input type="text"/>	Bat	<input type="text"/>
	<input type="text"/>	Top	<input type="text"/>
	<input type="text"/>	Flower	<input type="text"/>

4. Joy of Game



Observation :



Discussion :



Read :

Chintu : Hey Pintoo ! Why are you wearing new clothes today ?

Pintu : Don't you know ? Today, we have *Garba* celebration !

Chintu : *Garba* celebration ? Really ? Where ?

Pintu : Here, in our school !

Chintu : Wow ! Who will sing and who will play music ?

Pintu : Why do you ask ? We all can sing.

Chintu : Oh yes, we all will enjoy but whom will you call for music ?

Pintu : Our teacher will play music.

Chintu : Oh yes, our teacher plays musical instrument very well.
Stay here, I will wear my *Garba* dress and come.

Pintu : Sure, let's go. I will bring my *Dandiya*.



Think and Say :

What kind of clothes do we wear for *Garba* ?

Which instruments are played in *Garba* celebration ?

When do we have *Garba* celebration ?

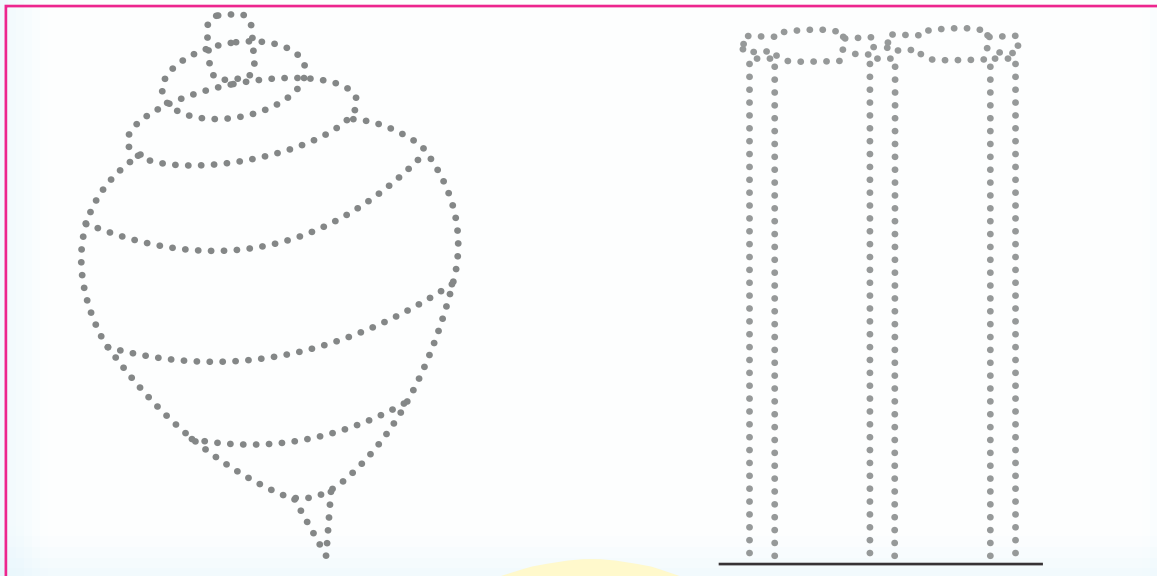
Who plays *Garba* ?



Role Play :

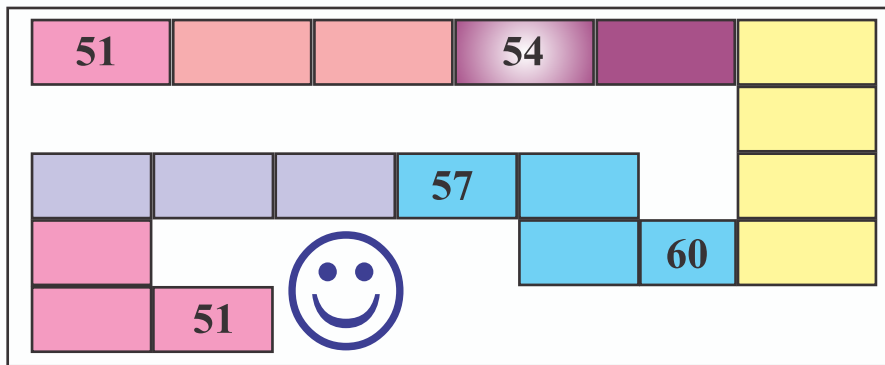


Colour : (Join the dots to complete the figure and colour it.)





Puzzles :



Count :

	6 tens	1	61 Sixty one
	6 tens	2	62 Sixty two
	6 tens	3	63 Sixty three
	6 tens	4	64 Sixty four
	6 tens	5	65 Sixty five
	6 tens	6	66 Sixty six
	6 tens	7	67 Sixty seven
	6 tens	8	68 Sixty eight
	6 tens	9	69 Sixty nine
	6 tens	10	70 Seventy



Write :

61	62	63	64	65	66	67	68	69	70
----	----	----	----	----	----	----	----	----	----

61			64					69	
----	--	--	----	--	--	--	--	----	--

		63			66				70
--	--	----	--	--	----	--	--	--	----



Puzzle :

61 ○ 63

62 ○ 64



64



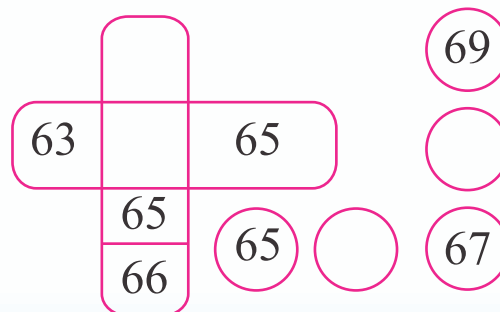
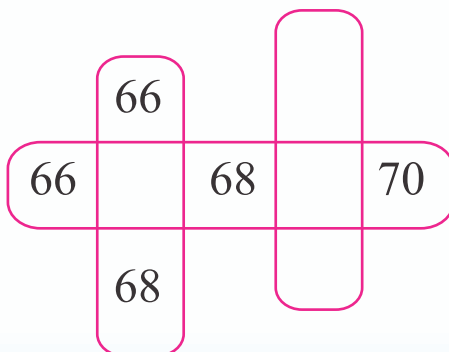
66

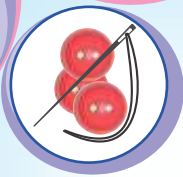


63 ○ 65

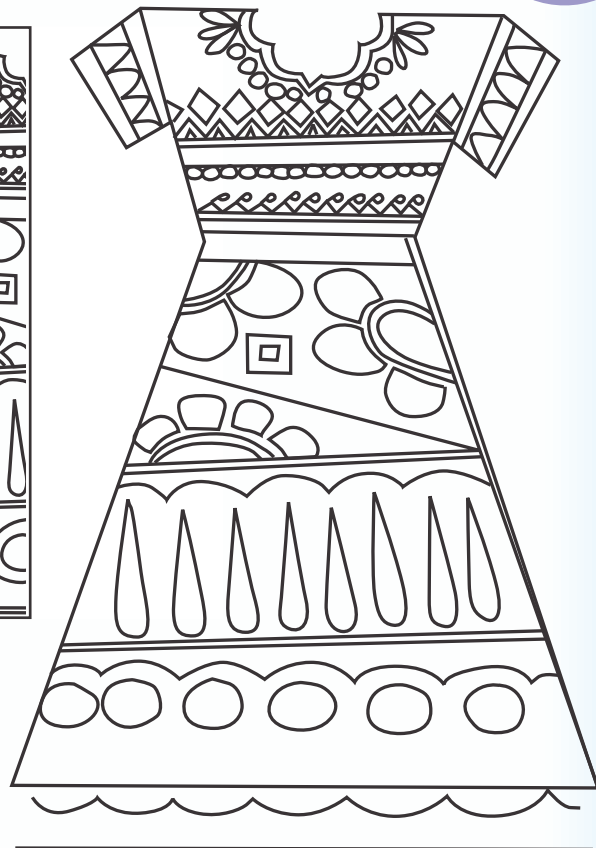
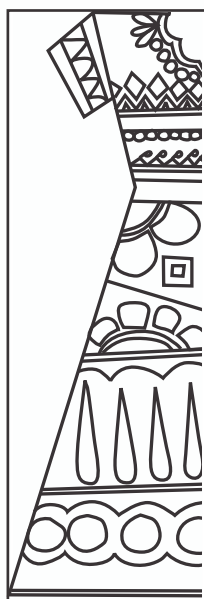
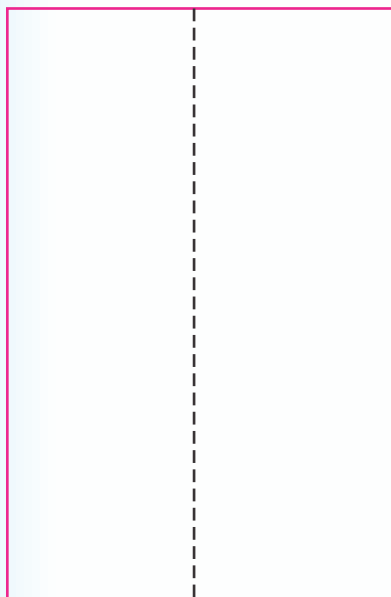


65 ○ 67

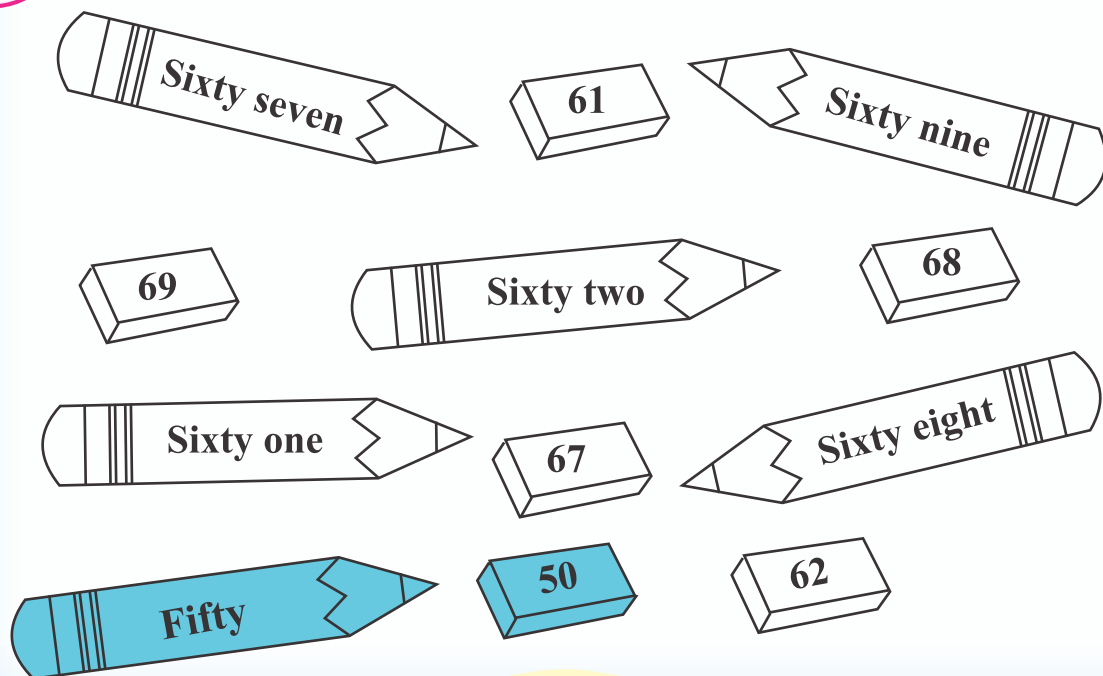




Activity :



Puzzle :





Puzzle :

The puzzle consists of 10 pieces arranged in a larger shape. The pieces are:

















- Top-left: A horizontal bar with a circle in the middle. The left part contains the number 62, and the right part contains the number 64.
- Top-right: A vertical bar with a circle in the middle.
- Middle-left: A horizontal bar with a circle in the middle. The left part contains the number 65, and the right part contains the number 65.
- Middle-right: A horizontal bar with a circle in the middle. The left part contains the number 66, and the right part contains the number 67.
- Bottom-left: A horizontal bar with a circle in the middle. The left part contains the number 67, and the right part contains the number 69.
- Bottom-right: A horizontal bar with a circle in the middle. The left part contains the number 70, and the right part contains the number 70.

Below the puzzle, there are three groups of circles:

- Group 1: A circle containing the number 66, and two empty circles.
- Group 2: A circle containing the number 63, and two empty circles.
- Group 3: A circle containing the number 68, and two empty circles.







Colour :

15 	32 			69 	65 
61 	54 	63 	67 		
68 	60 	66 	62 		
61 	64 	65 	66 		



Puzzle :

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	2	3	4	5	6	7

55	53	Wednesday	Tuesday
+ Saturday	+ Thursday	+ 60	+ 64
			



Read : Story of Ranpur

There was a village named Ranpur. In the village, there was a school. Many children were studying in the school. In this school, there was a student named Sohan. He was very bright and quiet. Not only that, he was very helpful too. He would never miss helping any needy person while coming or going to school. If he would see a blindman crossing the road, he would help him. Sometimes, he would lift heavy goods for others or show direction to a stranger enthusiastically. People took note of Sohan's activity and praised him. Although, some students teased him by calling him dramatic and showy.

Once it so happened that some students were having fun in the school. Among them were the students who used to tease Sohan. While playing, the glass of a window got broken.

The teacher entered the class and asked them about the student who broke the glass. The teacher threatened to punish them all if they remained silent. Hearing that, all the students got scared. Thinking that if all the students were punished, the innocent would also have to face punishment along with the guilty. So, Sohan told the teacher that he had broken the glass and showed his readiness to get punished. The teacher was aware of Sohan's helpful nature, so he did not punish him, but just scolded him. Seeing this, other students were touched by Sohan's kind and helpful nature. The student who broke the glass used to criticize Sohan's helpful nature all the time. Even then, Sohan did not give his name to the teacher but took all the blame on himself. At last, that student confessed his guilt before the teacher. He also said sorry to Sohan. Now, those who criticized Sohan and his helpfulness started doing the same.



Puzzle :

- | | | |
|---|-------------------------|--|
| A | Three letter words | |
| B | Words starting with 'a' | |
| C | Two letter words | |
| D | Words ending with 'e' | |

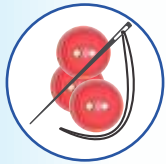


Write :

- Which words are more in number ?

- $(A) + (C) =$

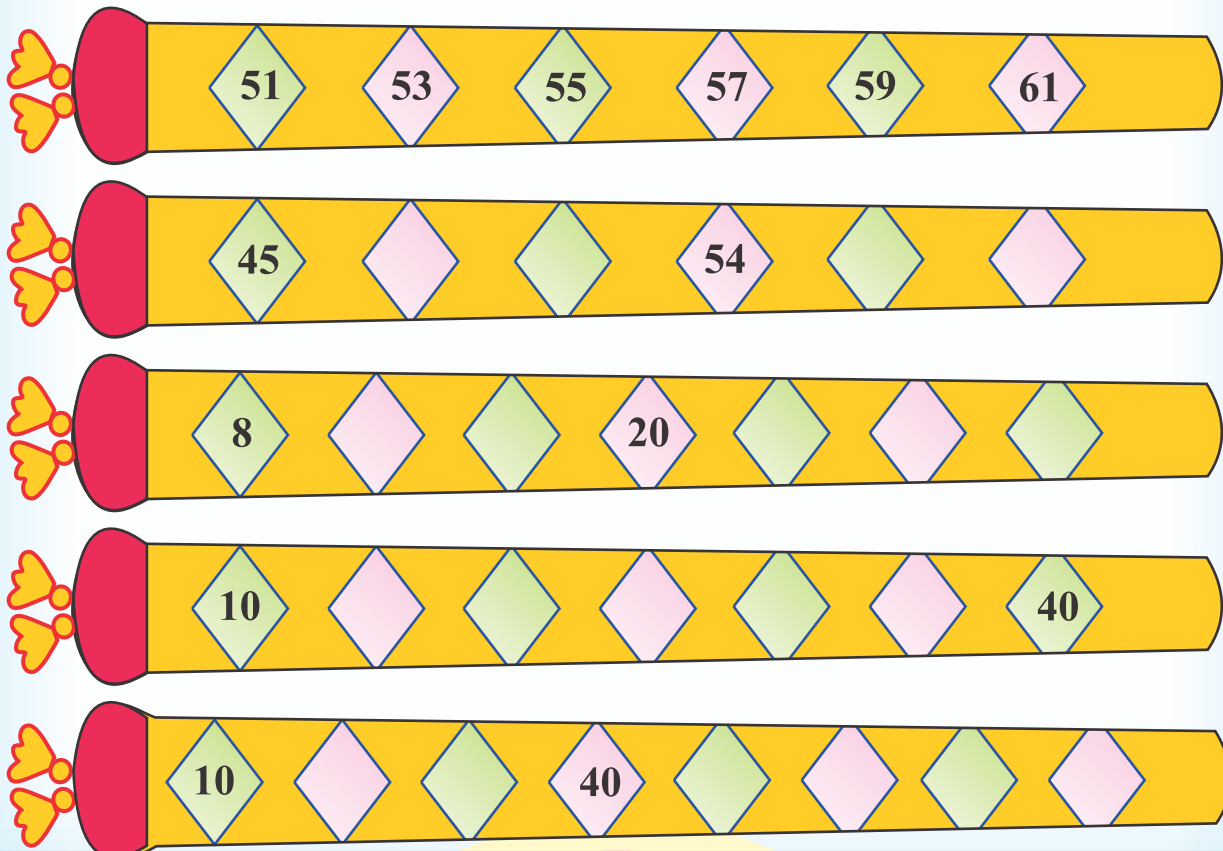
- $(B) + (D) =$



Activity :



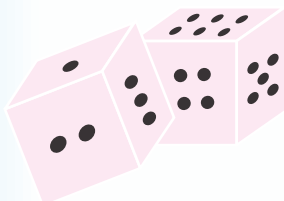
Observe and Do :





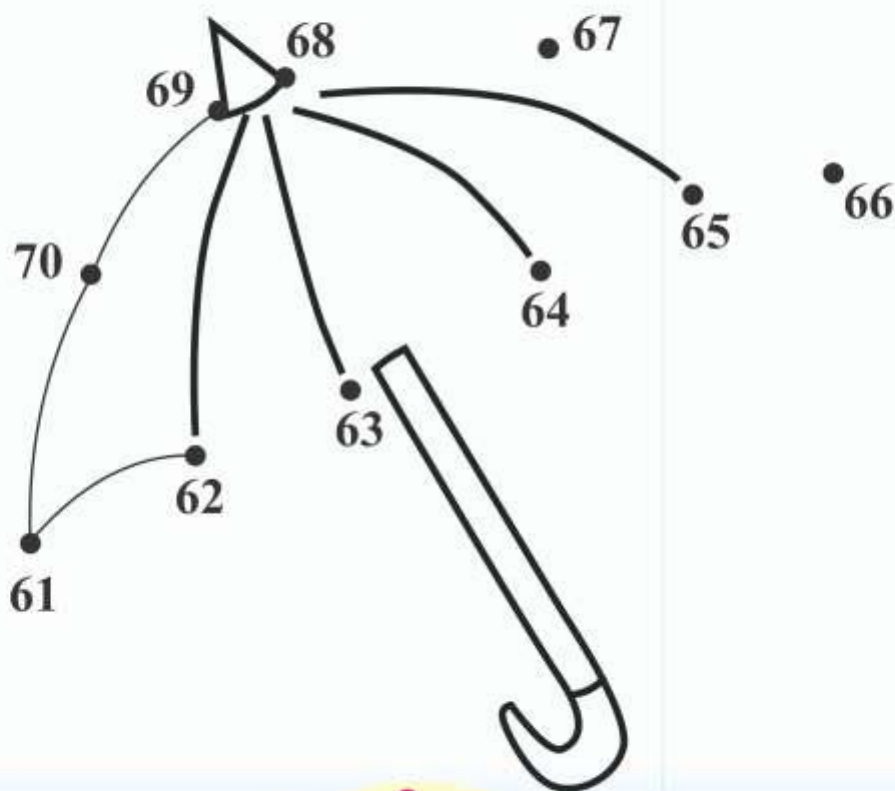
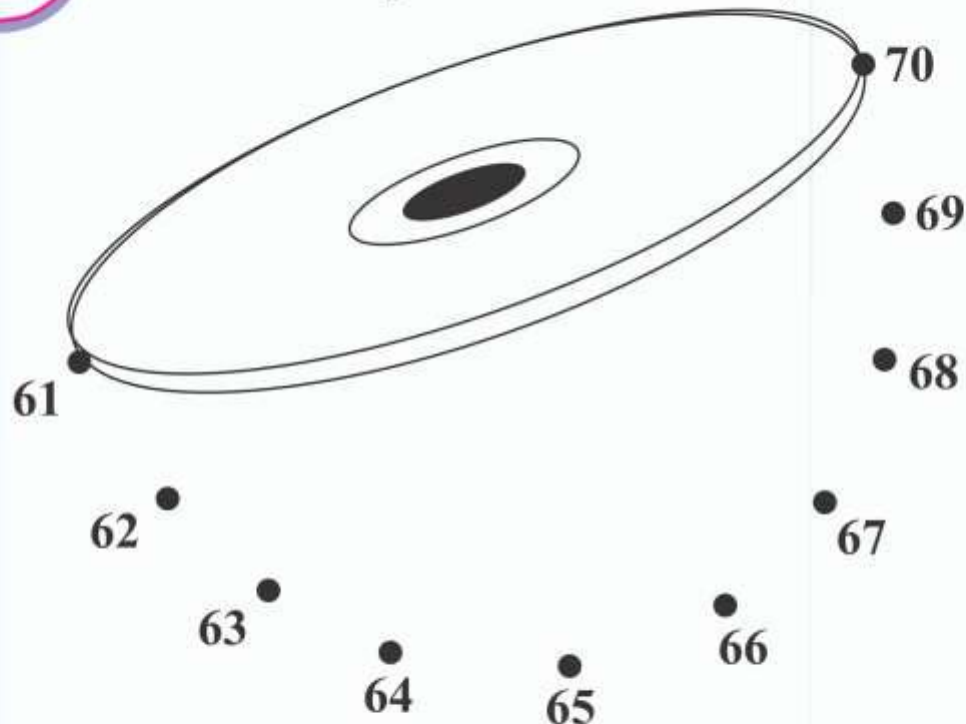
Indoor Game :

61			64			67			70
			57		55			52	
	42			45		47			50
	39				35				31
21			24			27			
					15				11
1				5					10





Colour : (Join the dots in order to complete the picture and colour it :)



5. Gilli - Danda



Read :

Salim : Let's go and play.

Mayur : Which game would we play ?

Salim : Look ! I have made a new Gilli and Danda. Let's play with that.

Ramila : Oh, yes. Let's play.



Salim : Now, it's my turn. It's... gone.

One, two, three... fourteen, fifteen.

Ramila : See, my *Gilli* has gone more sticks away.

Mayur : My turn is yet to come. It's ... gone.

One, two, three... thirty six, thirty seven, thirty eight.



Discussion :



Ramila : It's gone.....

Mayur : *Hey*, Ramila ! Your Gilli has gone far away.

Ramila : Indeed, Let's measure how far it has gone. Measure it with this *Danda* (stick).
One, two, three twenty five, twenty six.



Salim : It cannot be decided in one turn. Let's take three turns and then see who scores more *Dandas* (sticks) ?

Ramila and Mayur : Yes, ok.... It's.... gone....



Classroom Game :

	First turn	Second turn	Third turn
Ramila	26 Dandas	23 Dandas	30 Dandas
Salim	15 Dandas	21 Dandas	32 Dandas
Mayur	38 Dandas	30 Dandas	20 Dandas

	First turn	Third turn
Ramila		
Salim		
Mayur		

	Second turn	Third turn
Salim		
Ramila		
Mayur		



Observe and Do :



Discussion :

- How many sticks are lesser in Ramila's second turn than in her first turn ?

○○

$$\begin{array}{r} 2 \\ - 2 \\ \hline 0 \end{array}$$

Tens	Units
2	6
2	3
0	3

6 ○○○○○

$$\begin{array}{r} 6 \\ - 3 \\ \hline 3 \end{array}$$



Count :

$$\begin{array}{r} 31 \\ - 11 \\ \hline 20 \end{array}$$

$$\begin{array}{r} 41 \\ - \\ \hline 21 \end{array}$$

$$\begin{array}{r} 43 \\ - 1 \\ \hline 42 \end{array}$$

$$\begin{array}{r} 38 \\ - \\ \hline 12 \end{array}$$

$$\begin{array}{r} 34 \\ - 20 \\ \hline \end{array}$$

$$\begin{array}{r} 49 \\ - 21 \\ \hline \end{array}$$

$$\begin{array}{r} 37 \\ - \\ \hline 00 \end{array}$$

$$\begin{array}{r} 38 \\ - 15 \\ \hline 23 \end{array}$$



Puzzle :

$\begin{array}{r} 35 \\ - 14 \\ \hline \end{array}$	$\begin{array}{r} 43 \\ - 21 \\ \hline \end{array}$	$\begin{array}{r} 17 \\ - 07 \\ \hline \end{array}$	$\begin{array}{r} 54 \\ - 31 \\ \hline \end{array}$
(A)	(B)	(C)	(D)
$\begin{array}{r} 24 \\ - 14 \\ \hline \end{array}$	$\begin{array}{r} 66 \\ - 43 \\ \hline \end{array}$	$\begin{array}{r} 43 \\ - 22 \\ \hline \end{array}$	$\begin{array}{r} 55 \\ - \\ \hline \end{array}$
			22



Observe and Do :



*	Handspan	Fingers
Table		
Board		
Window		

*	Step	Furlong
Floor		
Water tank		
Ground		



*	Scale	Hand
Table		
Friend		
Door		



Write :

* Note : 1 Furlong = 220 yards

What is the height of your friend ? (In foot)

How long is your friend's hand ? Measure it with your fingers.

How long is this book ? Measure it with your fingers.



Think and Say :

Games you like

Games your friend doesn't like



Colour : (Join the dots to complete the figure :)





Count :



Colour :



Bat



Gilli

$$\begin{array}{r} 14 \\ - 12 \\ \hline \end{array}$$



$$\begin{array}{r} 31 \\ - 31 \\ \hline \end{array}$$



$$\begin{array}{r} 35 \\ - 15 \\ \hline \end{array}$$



$$\begin{array}{r} 67 \\ - 34 \\ \hline 33 \end{array}$$

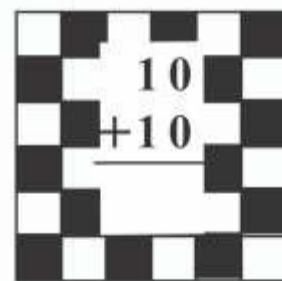


Ball

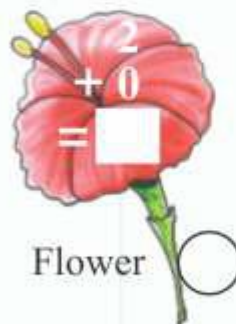
$$\begin{array}{r} 59 \\ - 44 \\ \hline \end{array}$$



Marble



Chess



Flower



Puzzle :



.....

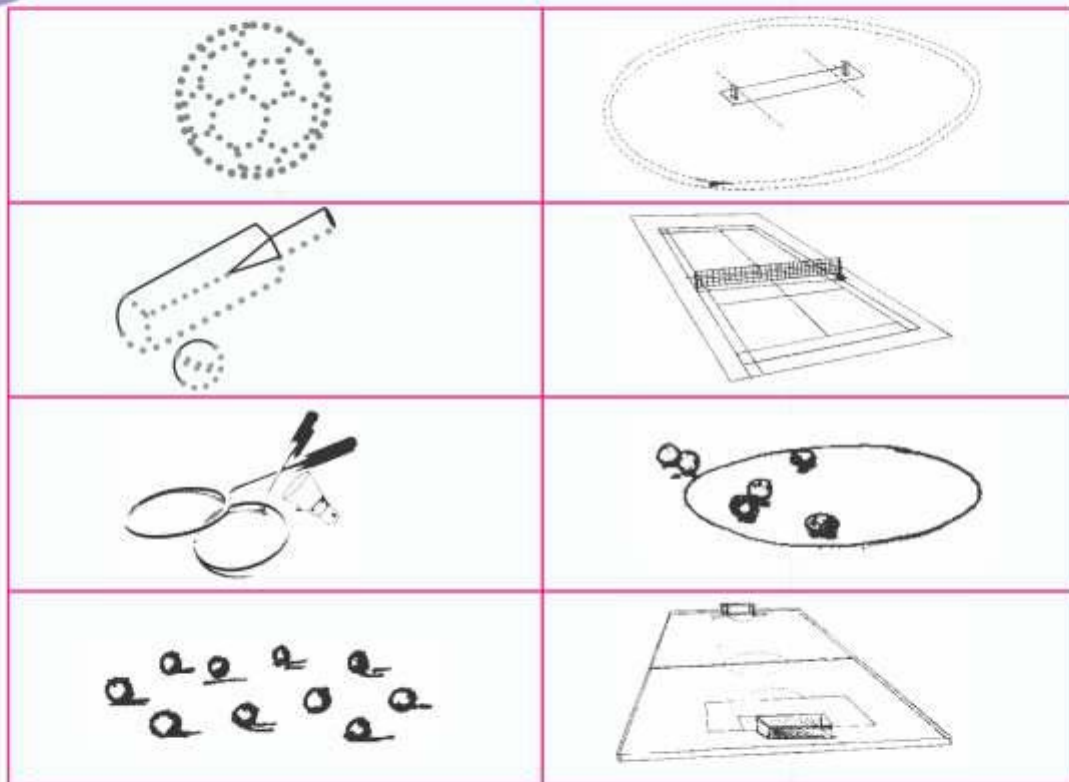


.....

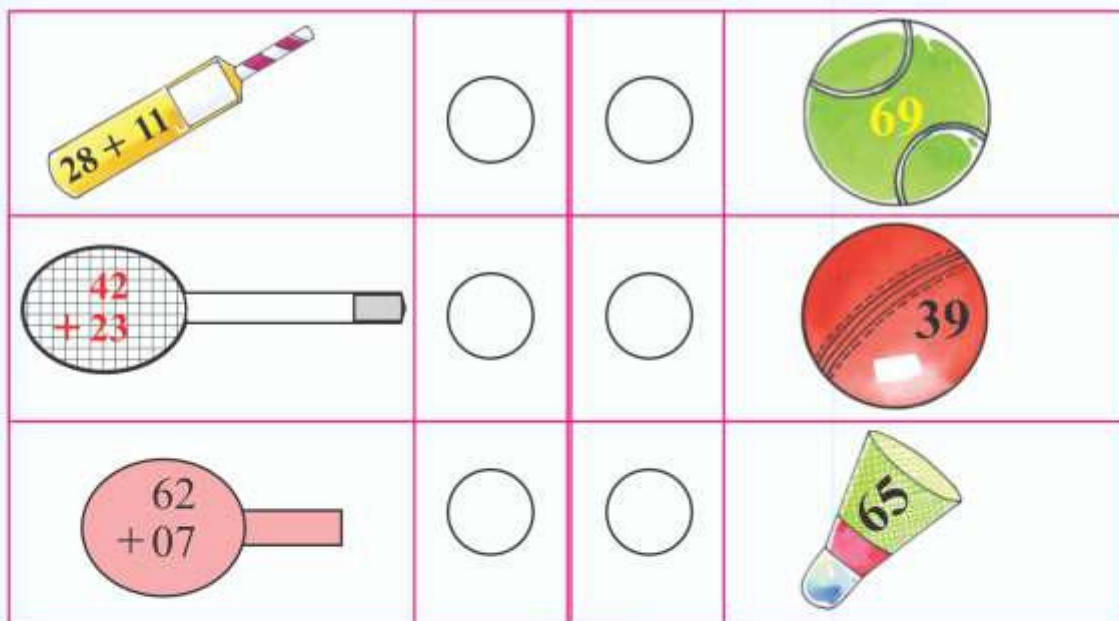




Colour :



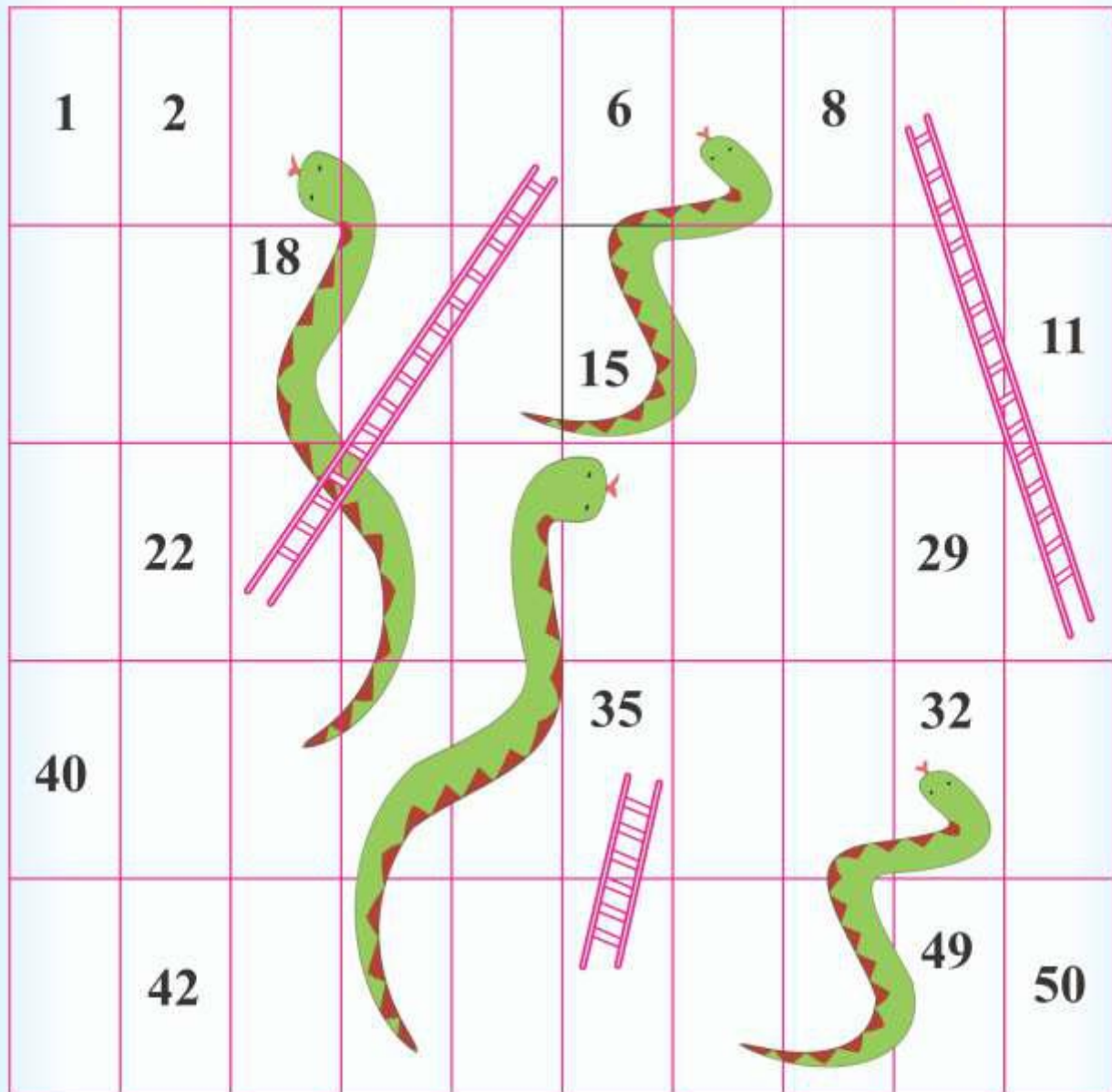
Puzzle :





Classroom Game :

Let's play snakes and ladders !



- Write the missing numbers in boxes of snakes and ladders given above.
- Put your pebble on 50. Roll the dice. Go backward according to the numbers you get. Whoever will reach first on number 1, wins.



Song :



Write :

61			64		
			67		
				70	
	61				

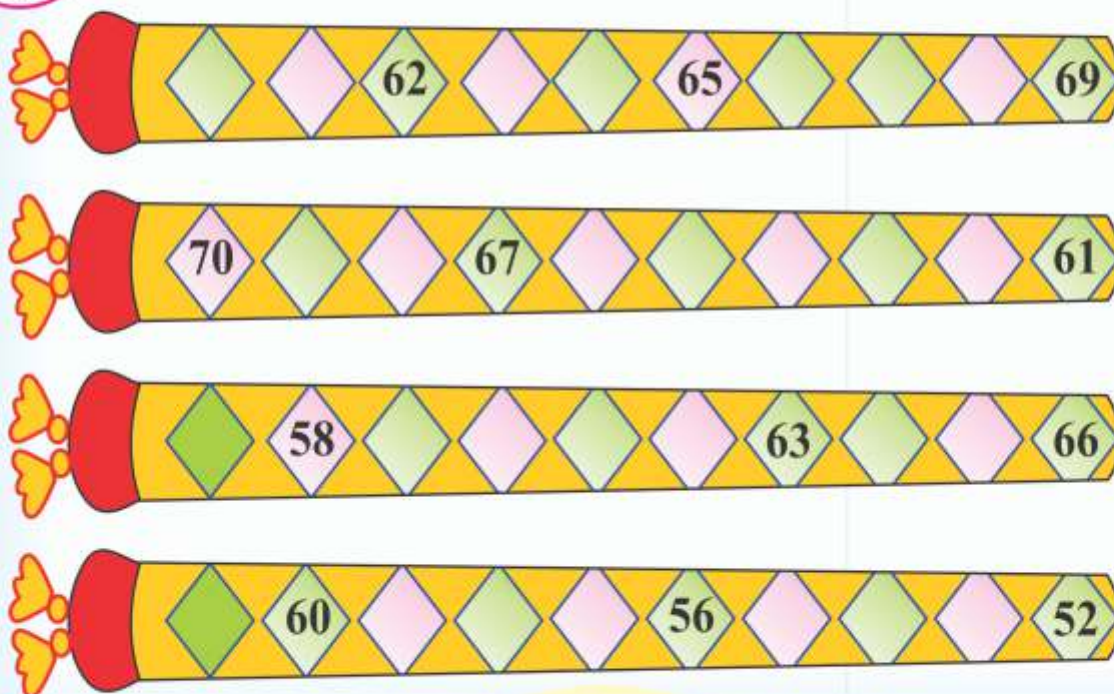




Outdoor Game :

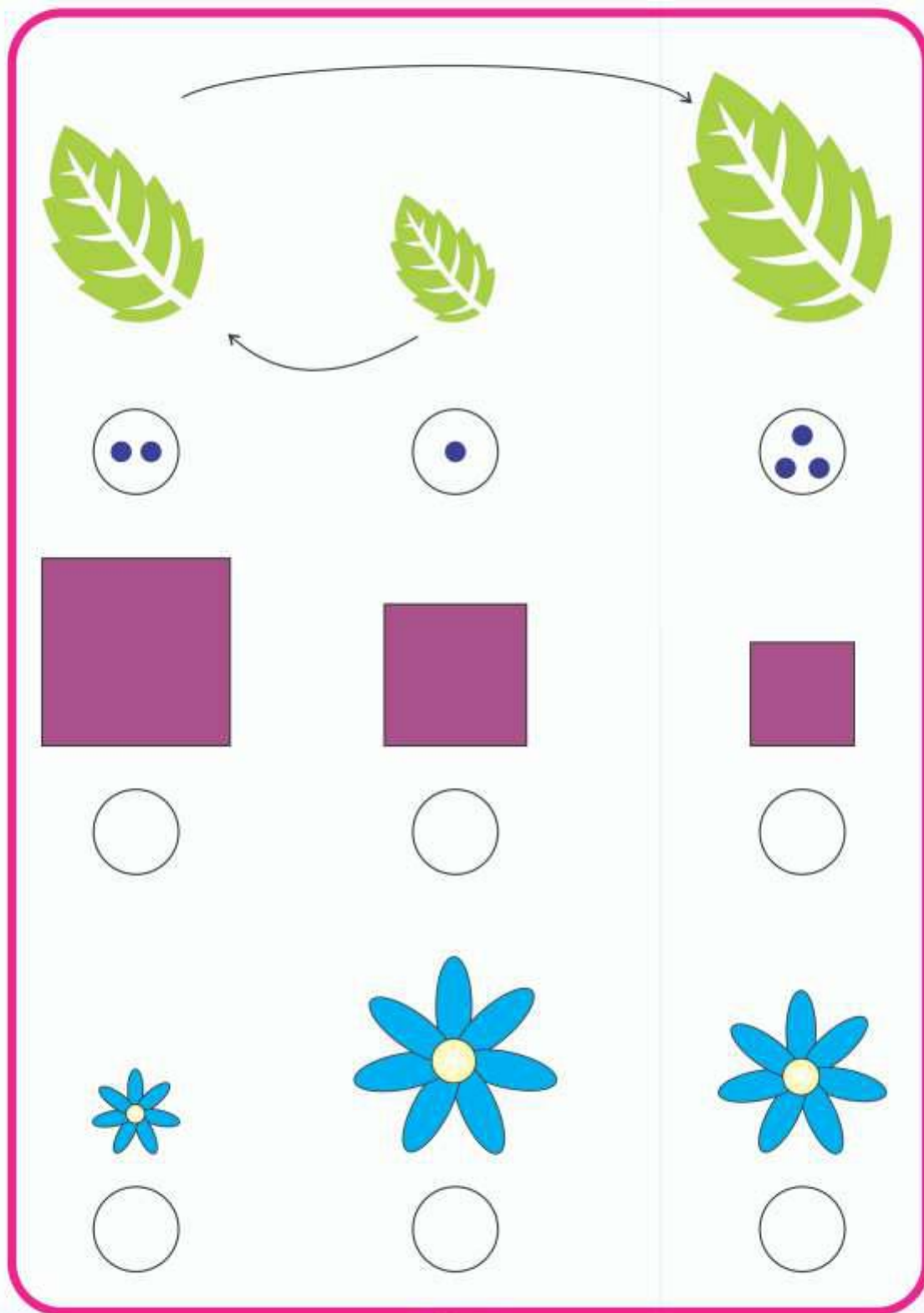


Write :





Puzzle :



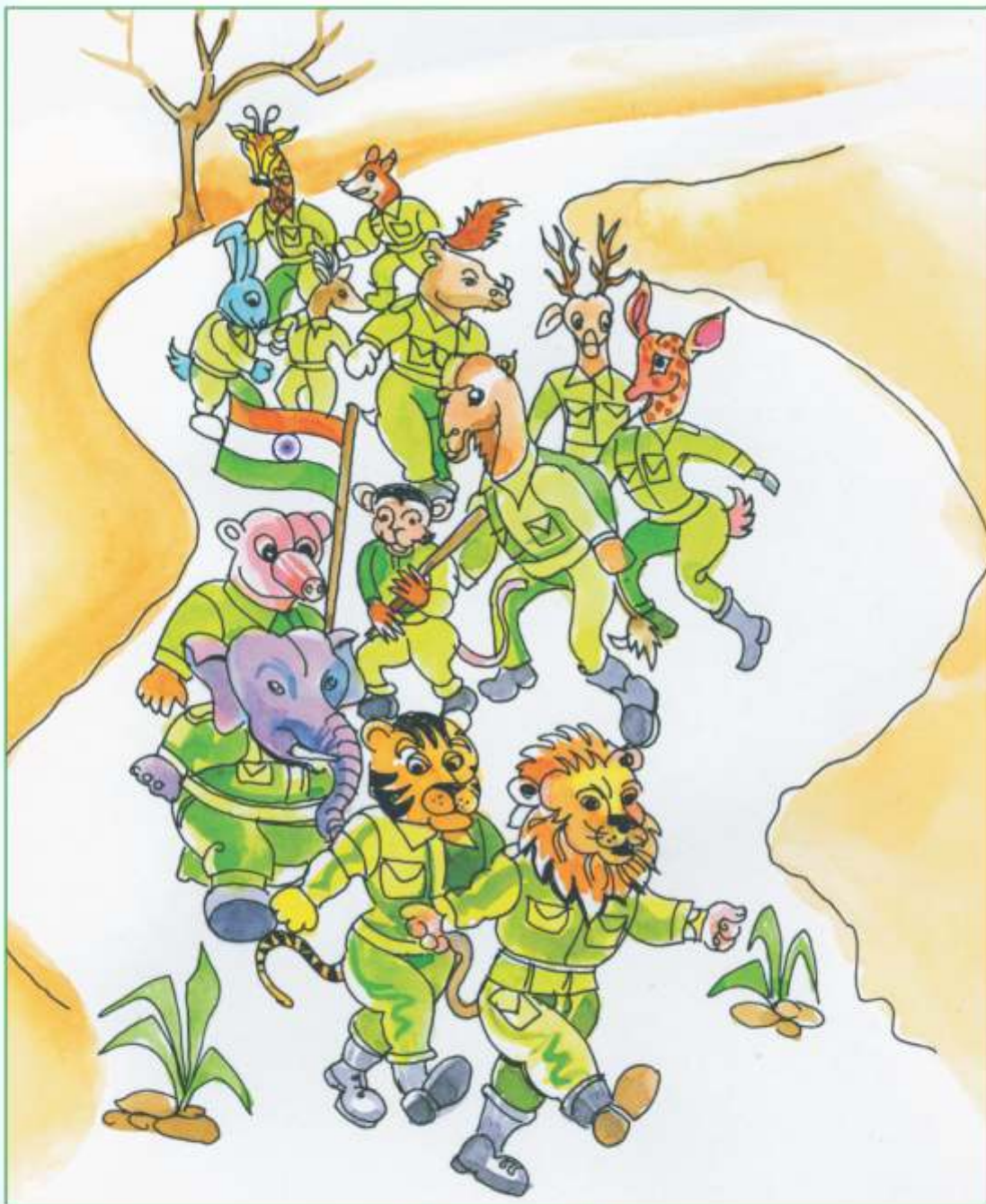
6. Lion's Leadership



Observation :

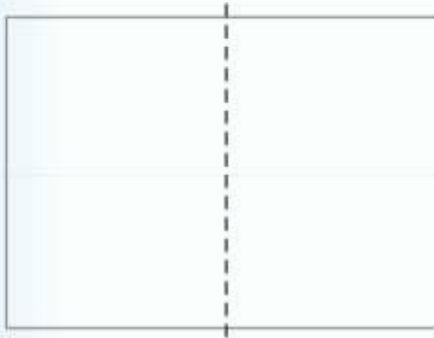


Song :





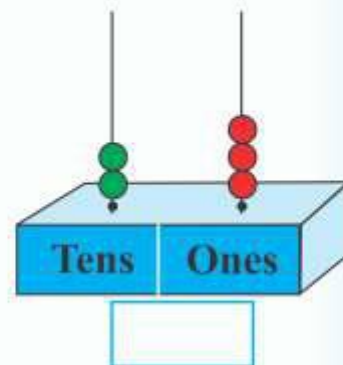
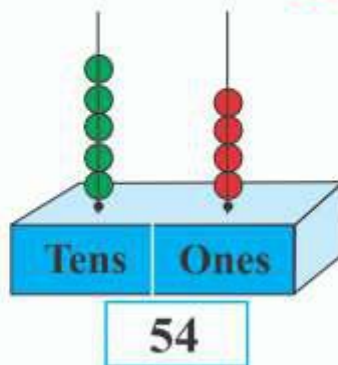
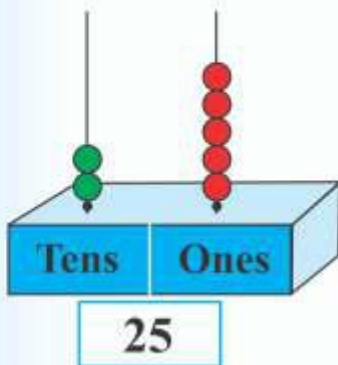
Activity :



Observe and Do :



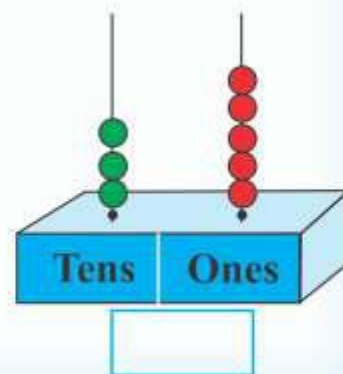
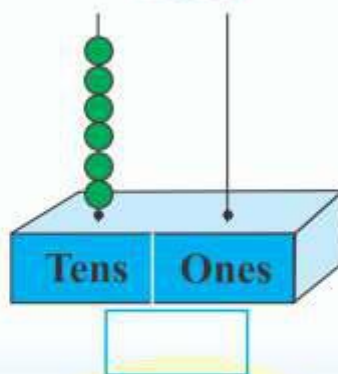
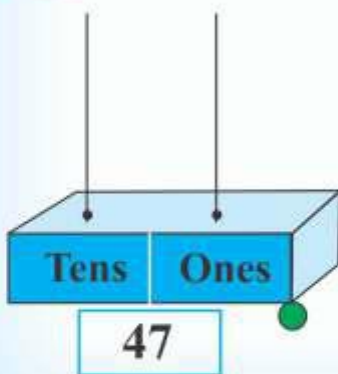
Discussion :



Read :



Write :

















Write :



Count :

 <div> $18 + 9$ </div>	 <div></div>
 <div> $24 + 15$ </div>	 <div></div>
 <div> $27 + 3$ </div>	 <div></div>
 <div> $43 + 12$ </div>	 <div></div>
 <div> $50 + 10$ </div>	 <div>40</div>
 <div> $32 + 8$ </div>	 <div></div>

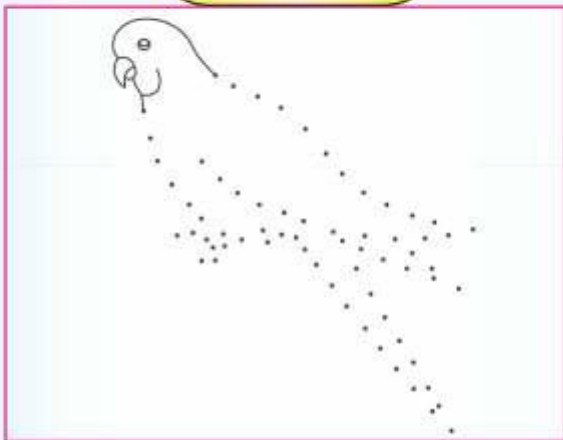


Colour :

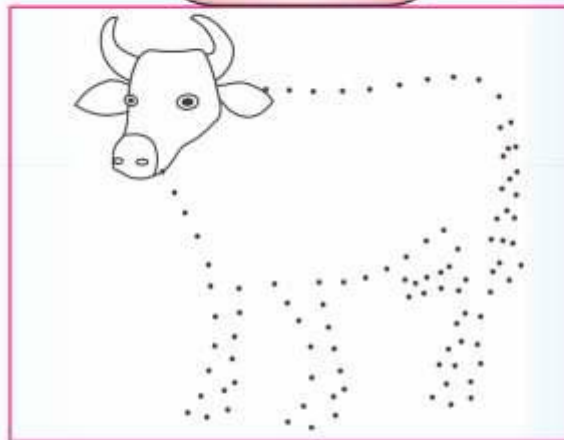


Classification :

Bird






Animal



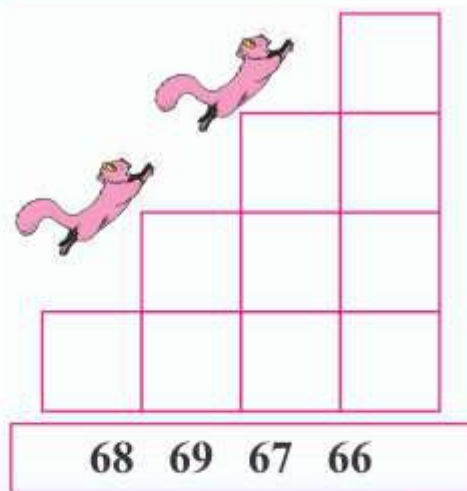
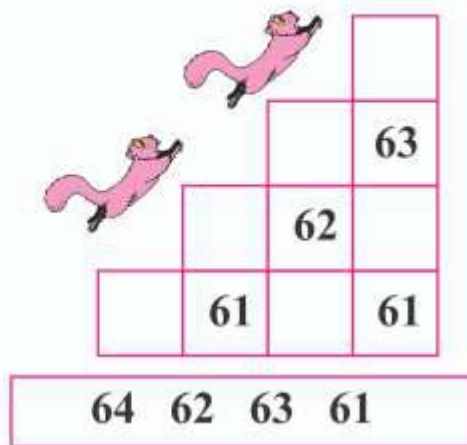


Puzzle :

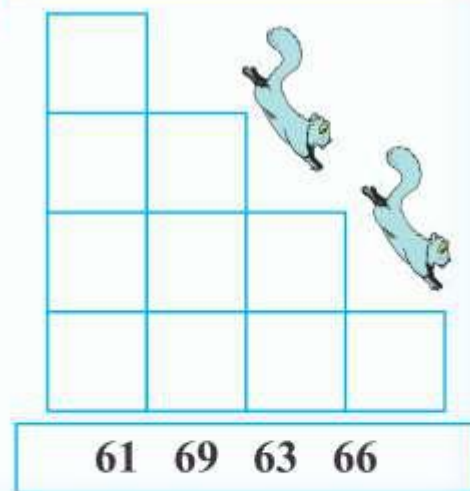
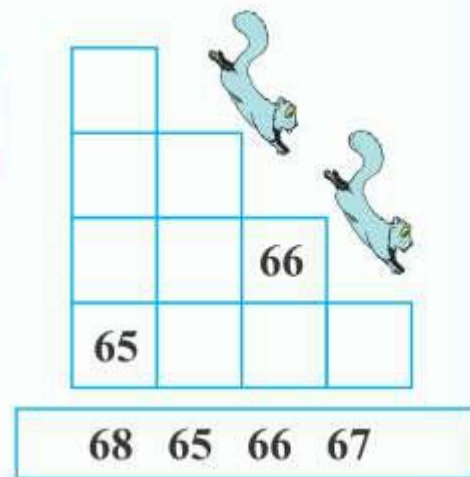
	Grass	Meat	Chapati
	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Chapati	Carrot	Grass
	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Stones	Meat	Grass
	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>



Read :



Write :





Think and Say :

Which friends are fatter than you ?

Which friends are taller than you ?

Which friends are thinner than you ?

Which friends are shorter than you ?

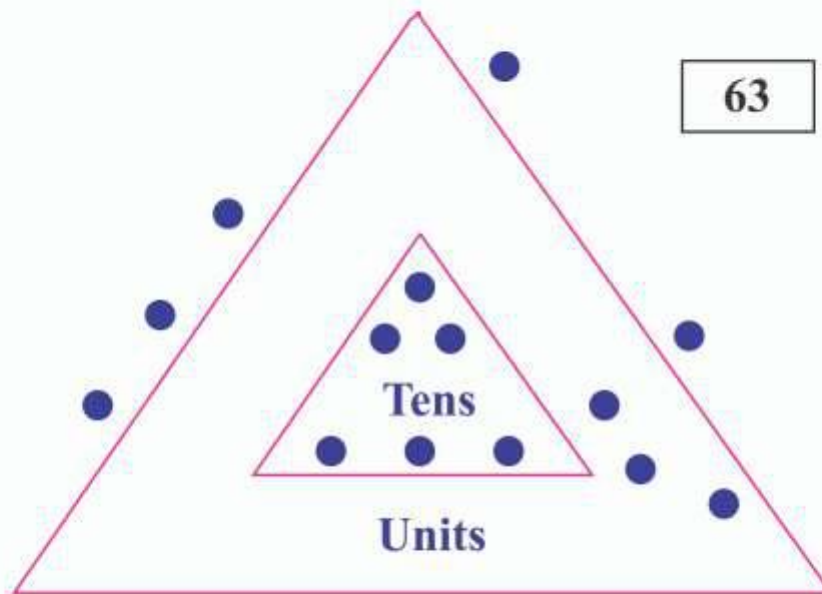


Activity :





Indoor Game :



Puzzle :

A	6	2		B	
			C		
D				E	
F					
G				H	

- (A) 6 tens and 2 units : _____
- (B) Number between 25 and 27 : _____
- (C) Number preceding 10 : _____
- (D) Number after 40 : _____
- (E) Smaller number in 20 and 23 : _____
- (F) Number 59 in words : _____
- (G) Bigger number in 70 and 60 : _____
- (H) Number preceding 67 : _____



Observation :

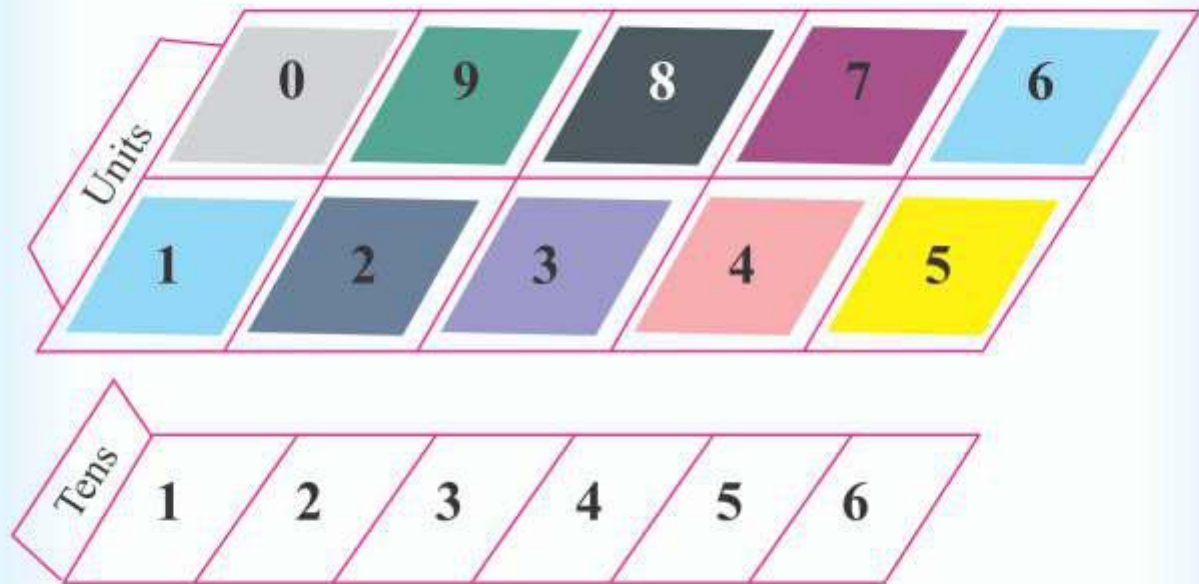


Discussion :





Outdoor Game :



Write :

2 tens 4 units

$20 + 4$

24

53

$60 + 3$

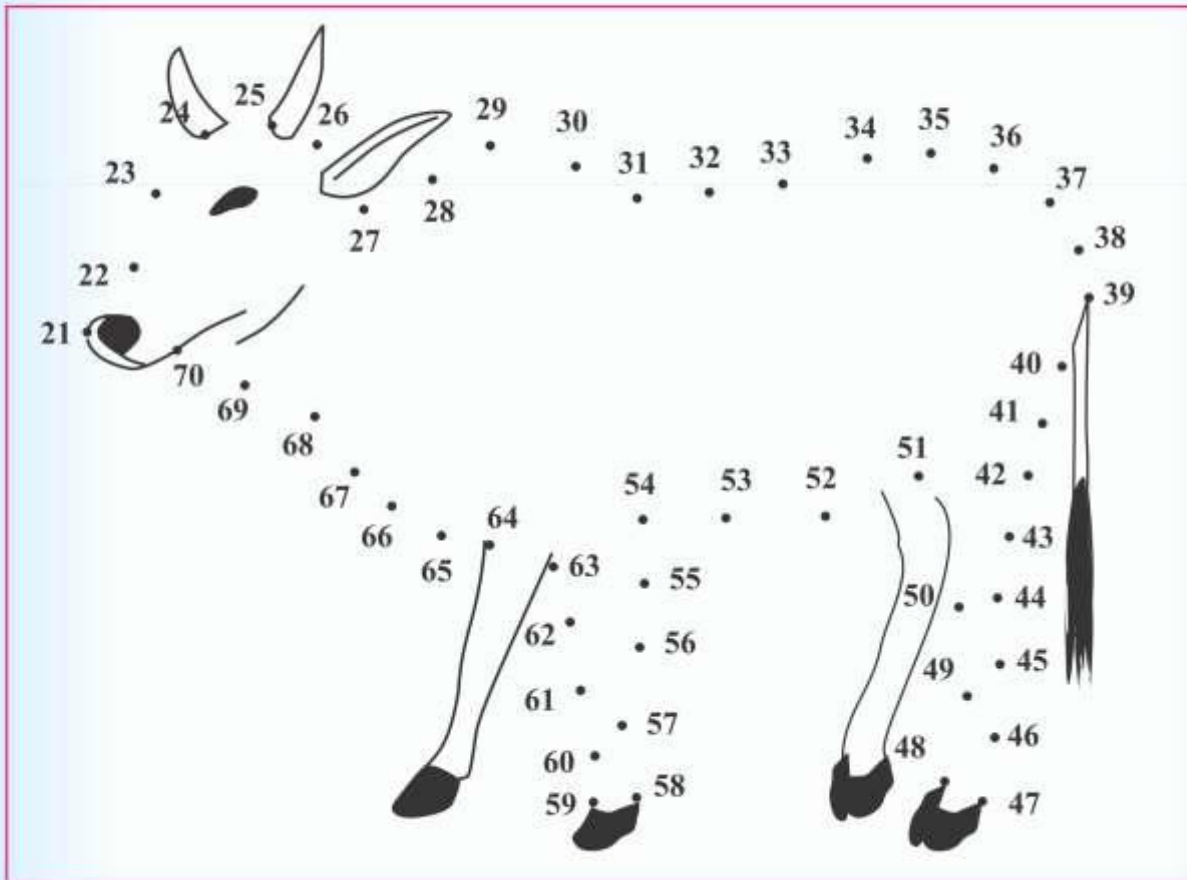
8 tens 0 units

5 tens units

52



Colour : (Join the dots to complete the figure and colour it :)



Read :



Think and Say :

Rupal had some money equal to the number made by 5 tens and 4 units. Her uncle gave her money equal to the number made by 1 tens and 1 units. How much money did Rupal have now ?

	Tens	Units	😊	Total money with Rupal
Rupal had	5		54	
Uncle gave	1	1		

**Write :**

Number	Tens	Units	In Words
23	2	3	Twenty Three
11			
39			
45			
41			
61			
17			
32			
29			
34			
24			
57			
38			
40			
70			
63			

**Discussion :****Write :**

	Colour	Tail	Neck	Teeth	Paw
Lion					
Bear	Black				
Monkey					
Elephant				Big	
Deer					
Giraffe			Long		
Rabbit					Small

7. Let me go to Grandmother's House



Read :

There was a lamb. Once, he went to his grandmother's house. On the way, he met a fox :

The fox said to the lamb,
"I would eat you !"

The lamb said,
**"Let me go to
grandmother's house,
Let me be fresh and fine,
Then you can eat me up."**

The fox said, "O.K."

The lamb walked for some more time, a lion met him.

The lion said,
"I would eat you !"

The lamb said,
**"Let me go to
grandmother's house,
Let me be fresh and fine,
Then you can eat me up."**

The lion said, "Alright !"
The Lamb moved forward and met a tiger on the way.

The tiger said, "I would eat you !"

The lamb said,
**"Let me go to
grandmother's house,
Let me be fresh and fine,
Then you can eat me up."**

The tiger said, "O.K."

Like this, the lamb met many animals like a bear, an eagle and a dog. But everytime the lamb excused himself by saying the same words.

The lamb reached to the grandmother's house and told her, "Grandma, ! Grandma, ! give me lots of food to eat. I have promised the animals to offer myself to them as their meal."



Write :

Lamb		
Fox		



The lamb ate and drank well and became very healthy. Then it told the grandmother, "Please make a drum of leather for me. I will sit inside and nobody would recognize and eat me."

The grandmother made a beautiful, nice drum. She spread some soft cotton inside the drum for the lamb. The lamb sat inside and she pushed the drum forcefully. The drum rolled and rolled. There was the dog on the way.

The dog said, "Buddy ! Did you see a lamb ?

The lamb from the drum

said, "Which lamb and who are you ? Along with the drum, let me continue !"

Like this, the lamb continued answering one animal after the other and moved far away. At last, he met the fox.

The fox said, "Did you see a lamb anywhere ?"

The lamb replied from inside, "Which lamb and who are you ? Along with the drum, let me continue !"

The fox said, "It must be the lamb inside. Let me break the drum and eat it."

But, by the time, the Lamb reached his house and ran into the house. The fox stood at the door and looked helplessly.



Think and say :

1. What material the drum is made of ?
2. Where is the drum used ?

3. What are the other instruments for playing music ?
4. Name the other instrument similar to drum.



Activity :

--



Read :



Write :

Which animal did not meet the lamb ?	
--------------------------------------	--

Who met the lamb at last ?	
----------------------------	--

Which animal have you never seen ?	
------------------------------------	--

Which animal's sound can you make ?	
-------------------------------------	--

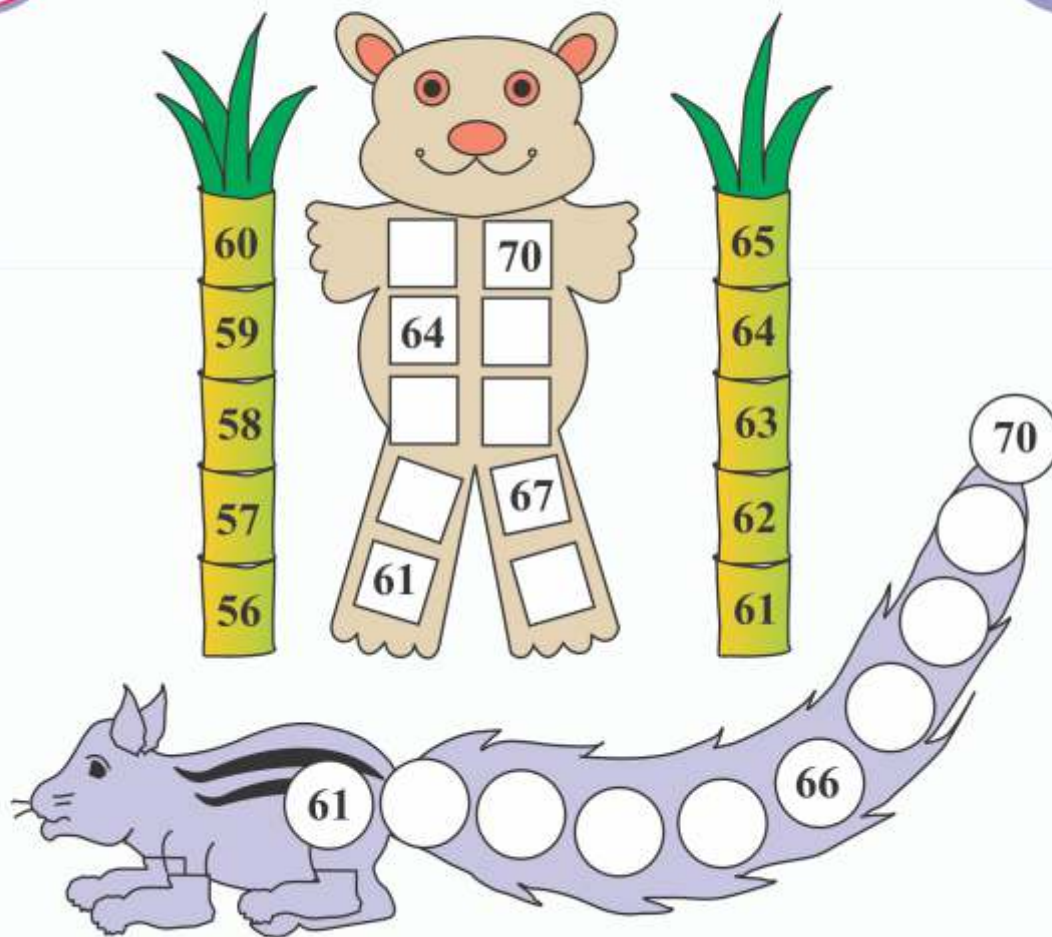


Role Play :





Write :

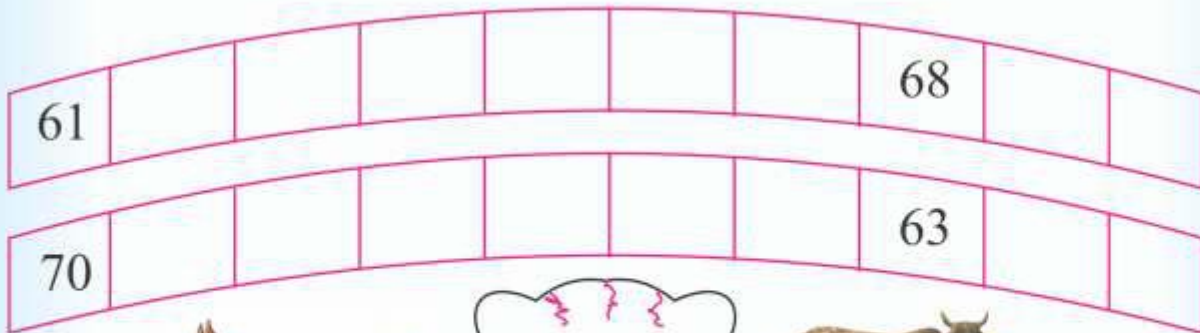
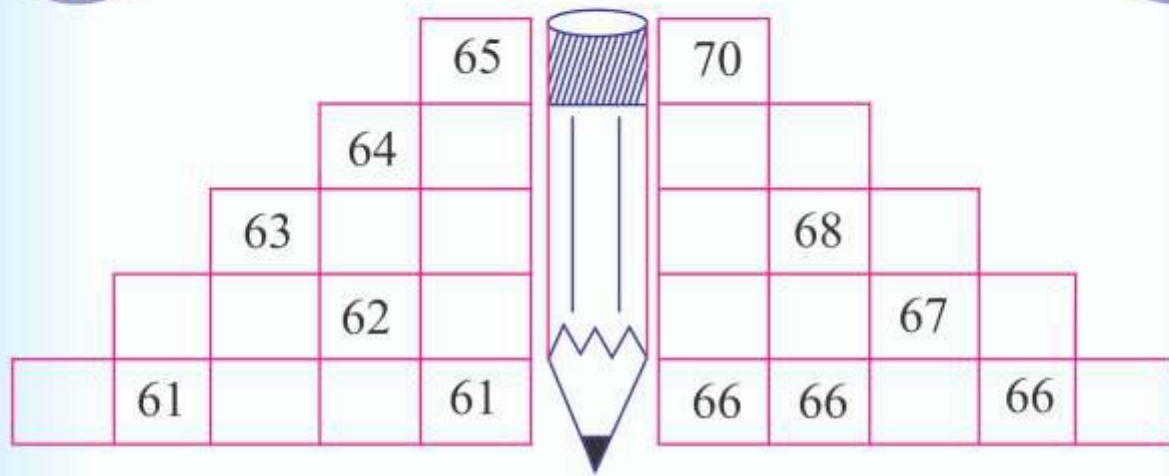


Puzzle :

61	63	65	62	64	→	61	62	63	64	65
65	67	64	68	66	→					
68	69	70	66	67	→					
62	65	63	66	64	→					



Observe and Do :

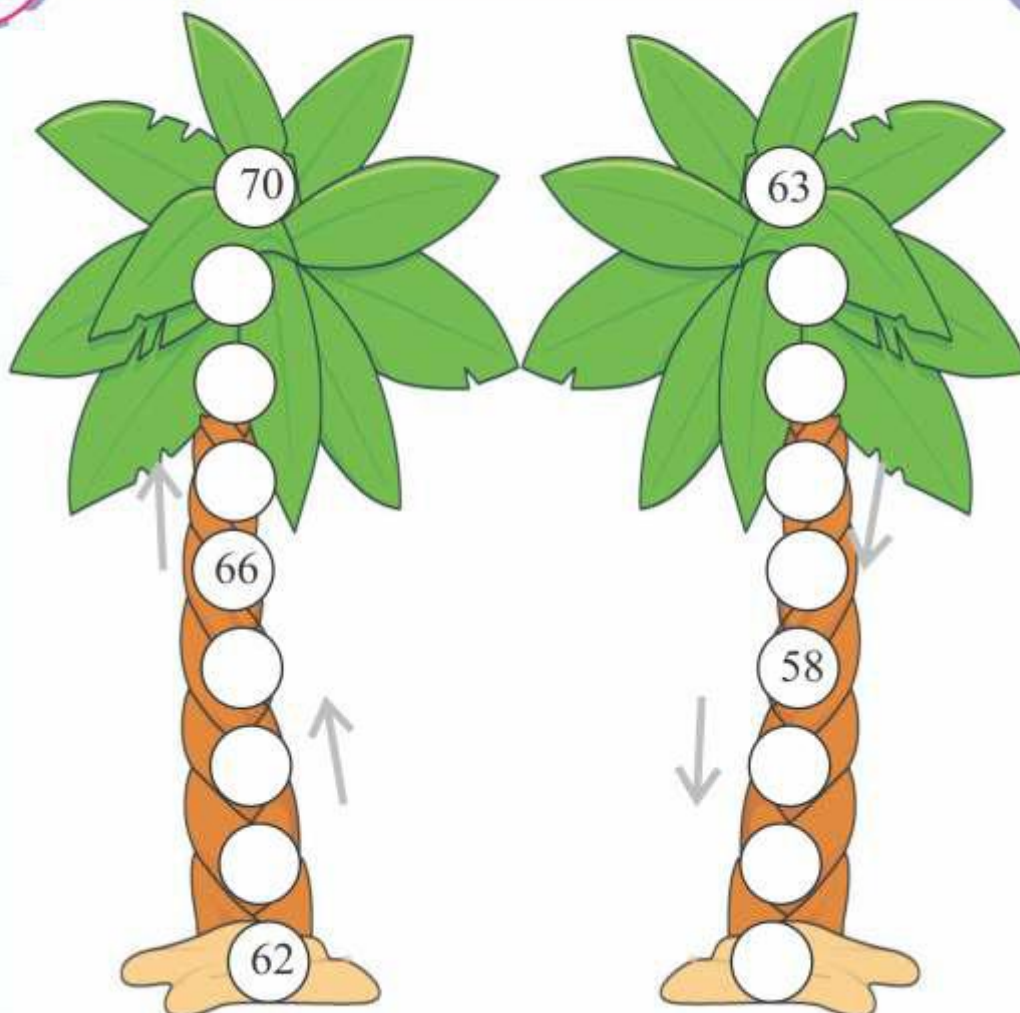


Write :

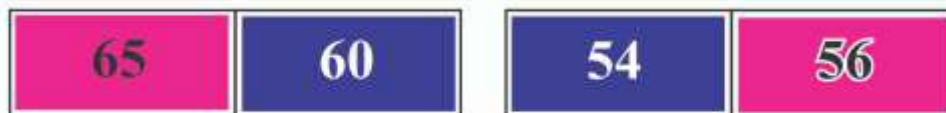
Animal	Colour		
Dog	White		Red
Cow			
Cat			



Write :



Colour :

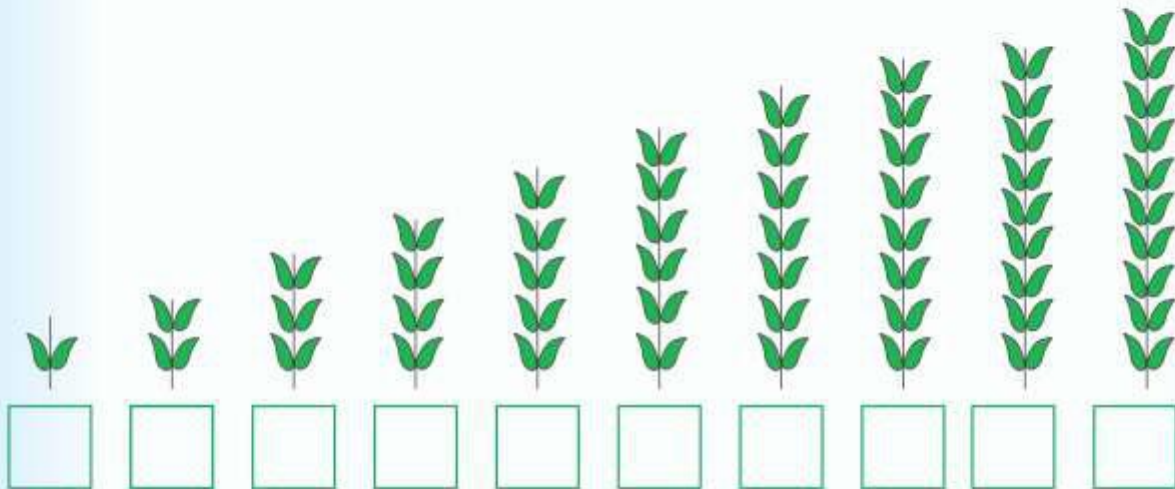




Count :



Write :



Write :

1	2
3	4

1	2	3
4		
		9
10		
		15
16		18
	23	24
28		30



Count :



Write :



1 Chocolate
costs

2 Rupees



2 Chocolates cost

4 Rupees



1 Pencil
costs

2 Rupees



3 Pencils cost



1 Icecream
costs

3 Rupees



4 Icecreams cost



1 Top costs

3 Rupees



3 Tops cost



Write :

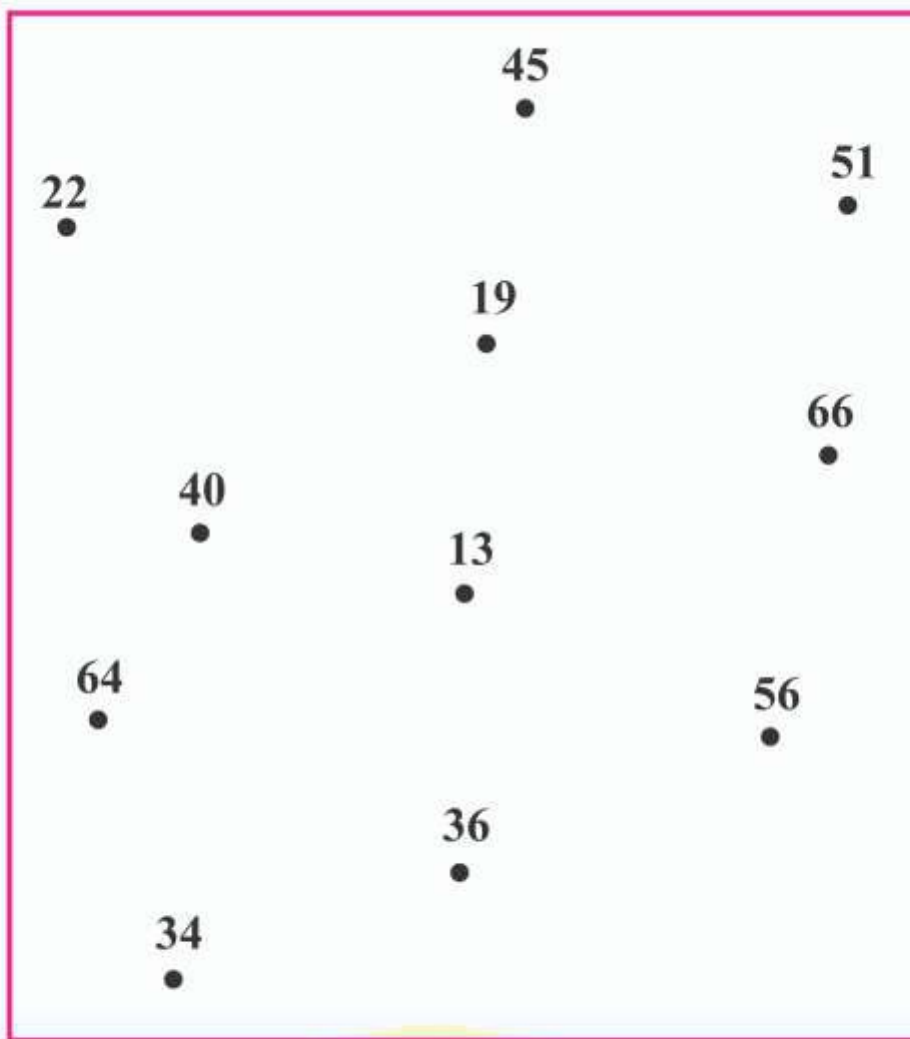
2	2	4	6							20
3		6		12			21			
5			15		25					50



Role Play :



Indoor Game :





Puzzle :

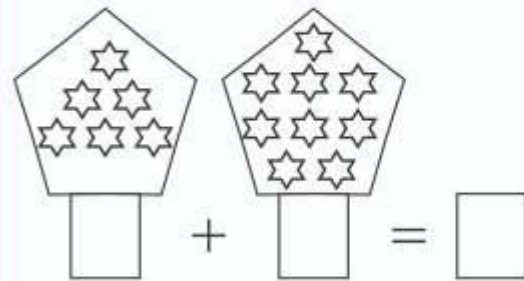
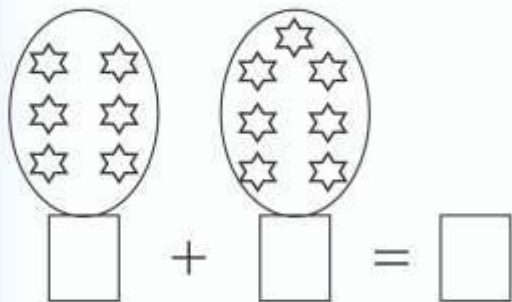
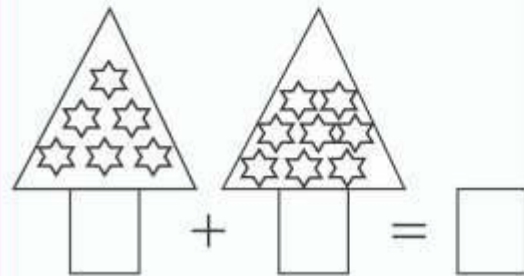
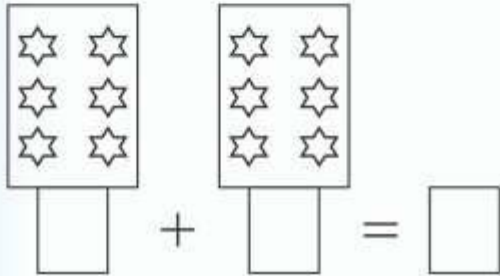
	Like	Don't like
	<ul style="list-style-type: none"> • Colour 	<ul style="list-style-type: none"> •
	<ul style="list-style-type: none"> • 	<ul style="list-style-type: none"> • To chase it
	<ul style="list-style-type: none"> • 	<ul style="list-style-type: none"> •
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	<ul style="list-style-type: none"> • 	<ul style="list-style-type: none"> •
	<ul style="list-style-type: none"> • 	<ul style="list-style-type: none"> •
	<ul style="list-style-type: none"> • 	<ul style="list-style-type: none"> •



Puzzle :



Colour :



Write :

Rabbit

A Rabbit is afraid of dog.



Think and Say :



...

ગુજરાત શૈક્ષણિક સંશોધન અને તાલીમ પરિષદ, ગાંધીનગરના પત્ર-ક્રમાંક
જીસીઈઆરટી / સી એન્ડ ઈ / ૨૦૧૪ / ૨૨૨૨, તા. ૩-૨-૨૦૧૪-થી મંજૂર

Maths-Environment

Use Teachers' Edition separately
prepared for teachers and parents

Koojan

Standard 2
(Second Semester)



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

I pledge my devotion to my country and its people.

My happiness lies in their well-being and prosperity.

Price : ₹ 39.00

Name of Student : _____

Name of School : _____

Class : _____ Roll No. : _____



Gujarat State Board of School Textbooks

'Vidyayan', Sector 10-A, Gandhinagar-382010

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PREFACE

In keeping with the guidelines laid down under NCF-2005 and RTE-2009, structural pedagogical changes have come about in primary education, curriculum and syllabus design and textbooks across India. This change refers to our understanding of concerned subjects and teaching-learning procedure on the whole. The primary objective of this syllabus is to foster creativity, out-of-box thinking, logical and analytical skills among young children keeping this approach in mind, the Textbook Board of Gujarat takes pleasure in introducing the textbook of **Standard 2 Koojan (Maths-Environment, First Semester)** to students, teachers and parents painstakingly prepared by G.C.E.R.T., Gandhinagar.

IGNUS-erg Team Members have provided vital inputs and guided the State Resource Group members in the entire process of framing new syllabus and designing the textbooks. UNICEF and the core-group members of the concerned subjects have been quite helpful at various junctures.

Before prescribing this textbook in the schools across Gujarat, Gujarati edition book had been introduced in selected schools on an experimental basis. Based on the feedback received from the stakeholders, necessary changes have been incorporated by Gujarat Council of Education and Research Training.

Gujarat State Board of School Textbooks convened a meeting of invited subject-experts and experts from GCERT to prepare the final draft of Gujarati edition textbook before prescribing it in the primary schools across Gujarat.

After that Gujarat State Board of School Textbooks has invited experienced teachers to translate it into english and subject expert teachers reviewed this book and then final edition is prepared.

Every effort has been made to maintain quality of the book and to cater to the taste of young students. We hope that young children will like the four-coloured form of this textbook and make the optimum use of this book. Efforts have been made to make this text book errorfree. Still we solicit suggestions from all the stakeholders.

Dr. Bharat Pandit

Director

Date : 3-3-2015

Dr. Nitin Pethani

Executive President

Gandhinagar

First Edition : 2015

Published by : Dr. Bharat Pandit, Director, on behalf of Gujarat State Board of School Textbooks, 'Vidyayan', Sector 10-A, Gandhinagar

Printed by :

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 and 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 achievement;
- (k) to provide opportunities for education to the parent or the guardian, to his child or a ward between the age of 6 and 14 years as the case may be.

*Constitution of India : Section 51-A

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Identification of specific icons used in the book



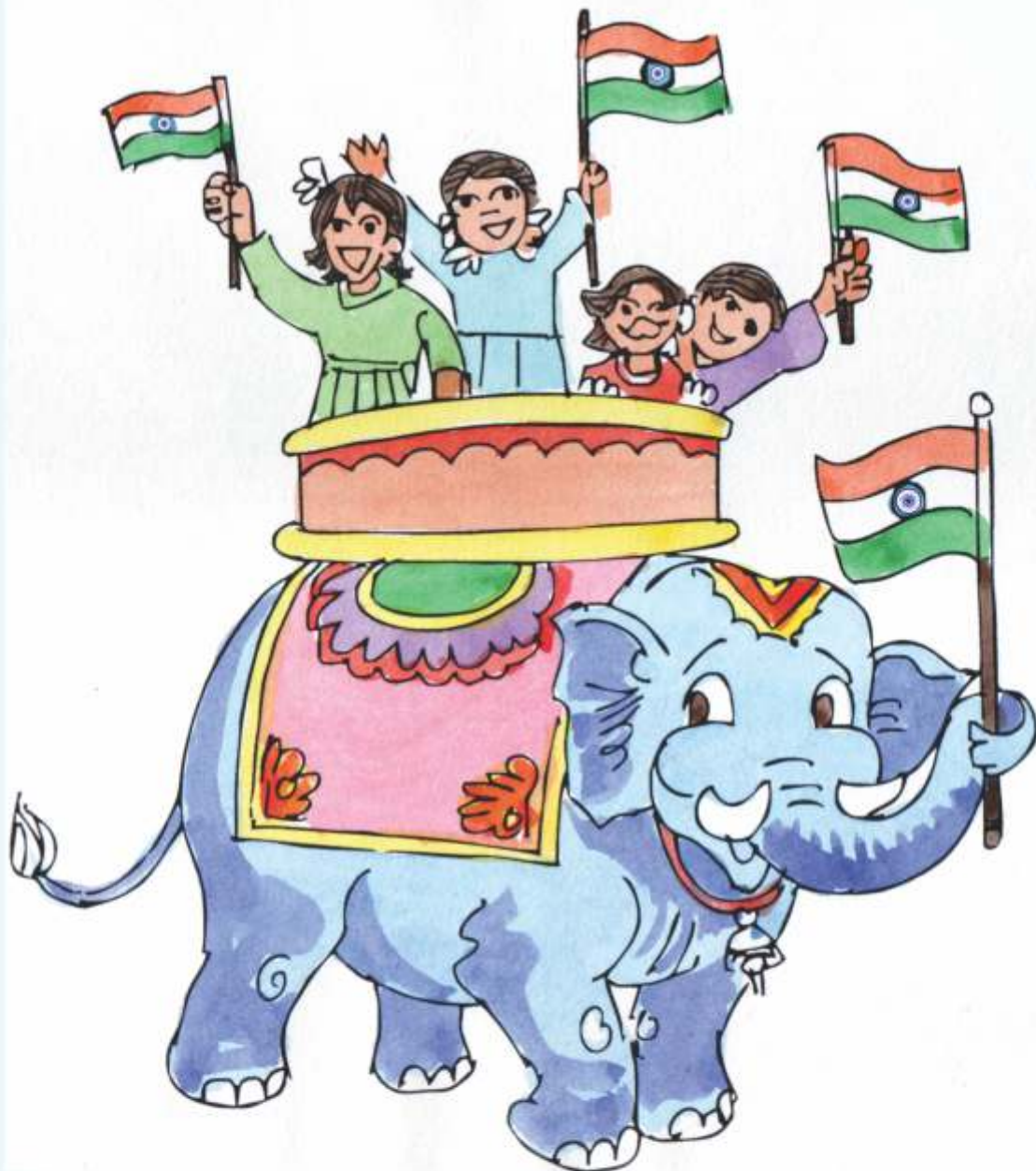
1. Riding an Elephant



Story :

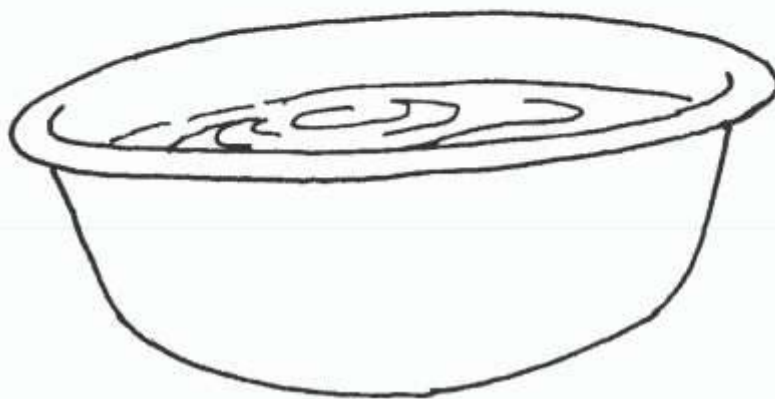


Discussion :

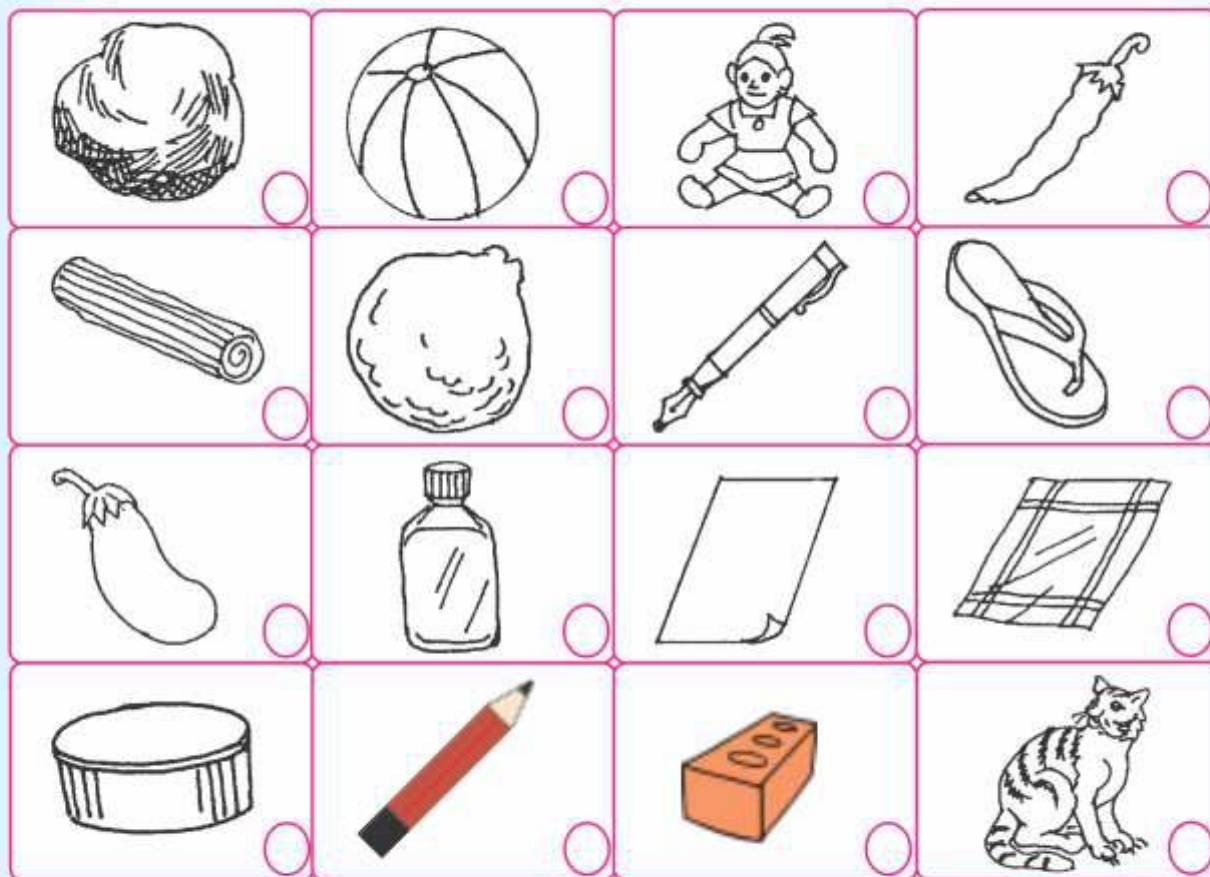




Activity :



Puzzle :





Count :



Write :

$$\begin{array}{|c|c|} \hline \text{Flower} & \text{Flower} \\ \hline \end{array} = 4$$

$$\begin{array}{|c|c|c|c|} \hline \text{Flower} & \text{Flower} & \text{Flower} & \text{Flower} \\ \hline \end{array} = 8$$

$$\begin{array}{|c|c|c|c|c|c|} \hline \text{Flower} & \text{Flower} & \text{Flower} & \text{Flower} & \text{Flower} & \text{Flower} \\ \hline \end{array} = 12$$

$$\begin{array}{|c|c|c|c|} \hline \text{Flower} & \text{Flower} & \text{Flower} & \text{Flower} \\ \hline \end{array} = \bigcirc$$

$$\begin{array}{|c|c|c|c|c|} \hline \text{Flower} & \text{Flower} & \text{Flower} & \text{Flower} & \text{Flower} \\ \hline \end{array} = \bigcirc$$

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$$\begin{array}{|c|c|c|c|c|c|c|c|} \hline \text{Flower} & \text{Flower} & \text{Flower} & \text{Flower} & \text{Flower} & \text{Flower} & \text{Flower} & \text{Flower} \\ \hline \end{array} = \bigcirc$$

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Indoor Game :



**Puzzle :**

4

One time

4

4

Two times

4

Four times

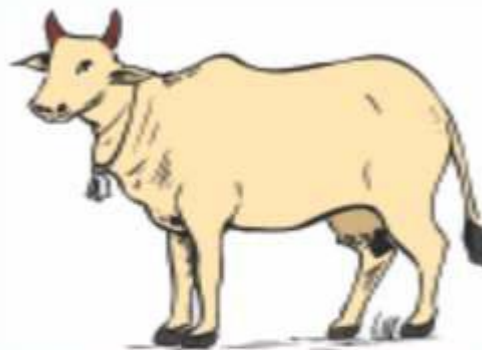
Sixteen

4

Six times

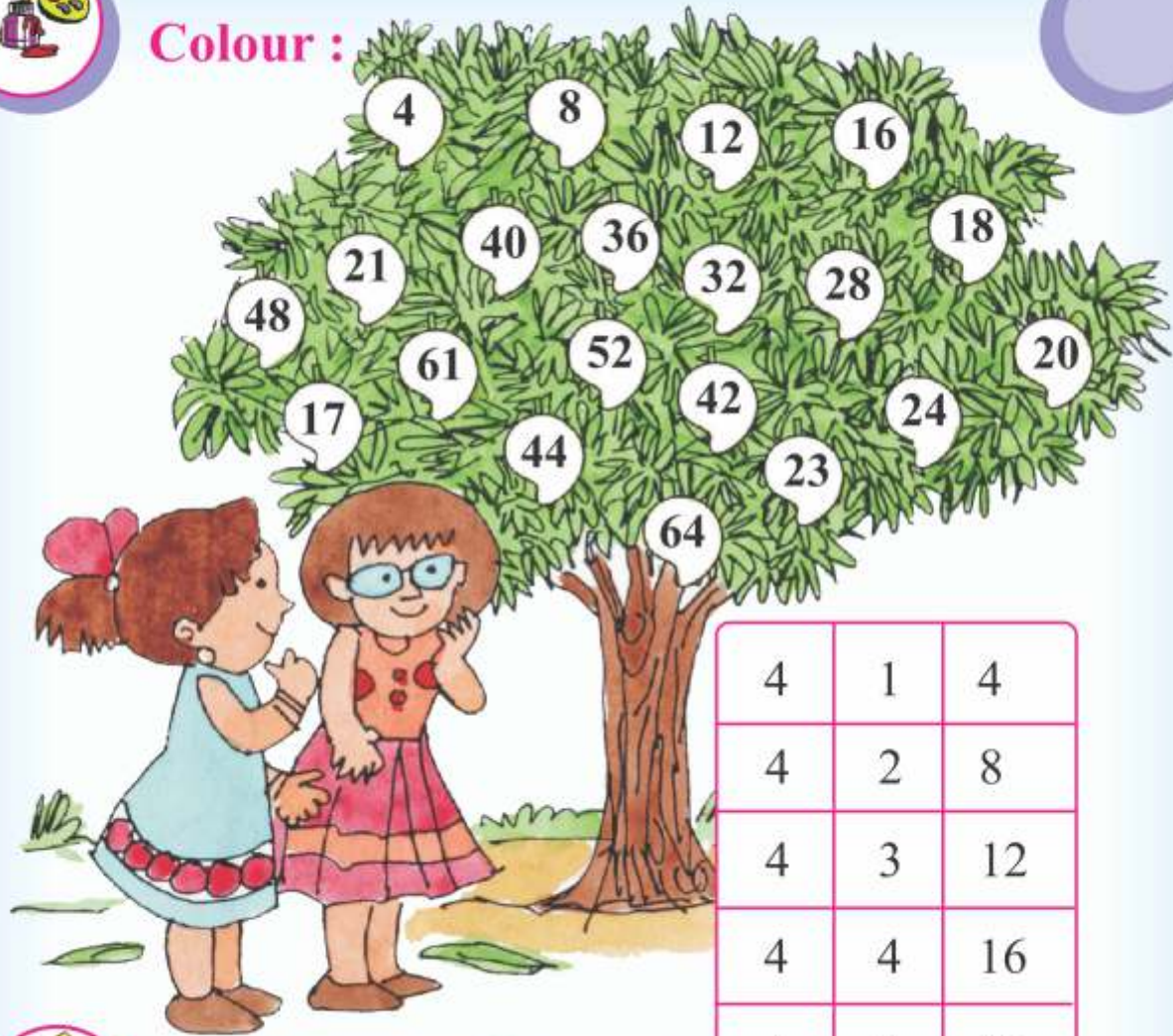
4

Ten times

**Think and Say :**



Colour :



Puzzle :

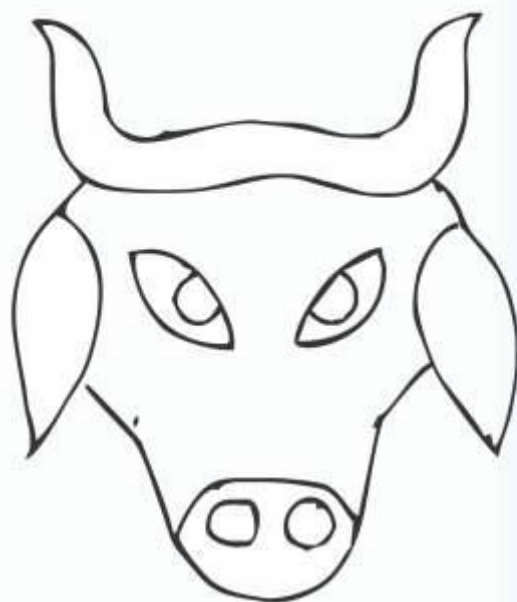
Legs of two goats ?



4	1	4
4	2	8
4	3	12
4	4	16
4	5	20
4	6	24
4	7	28
4	8	32
4	9	36
4	10	40



Activity :

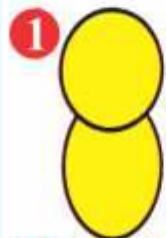




Colour :



Write :



1	2			5		7
8			11			
15				19		
	23		25			
29						
		38				
	44					
50						
	58					
						70



Activity :

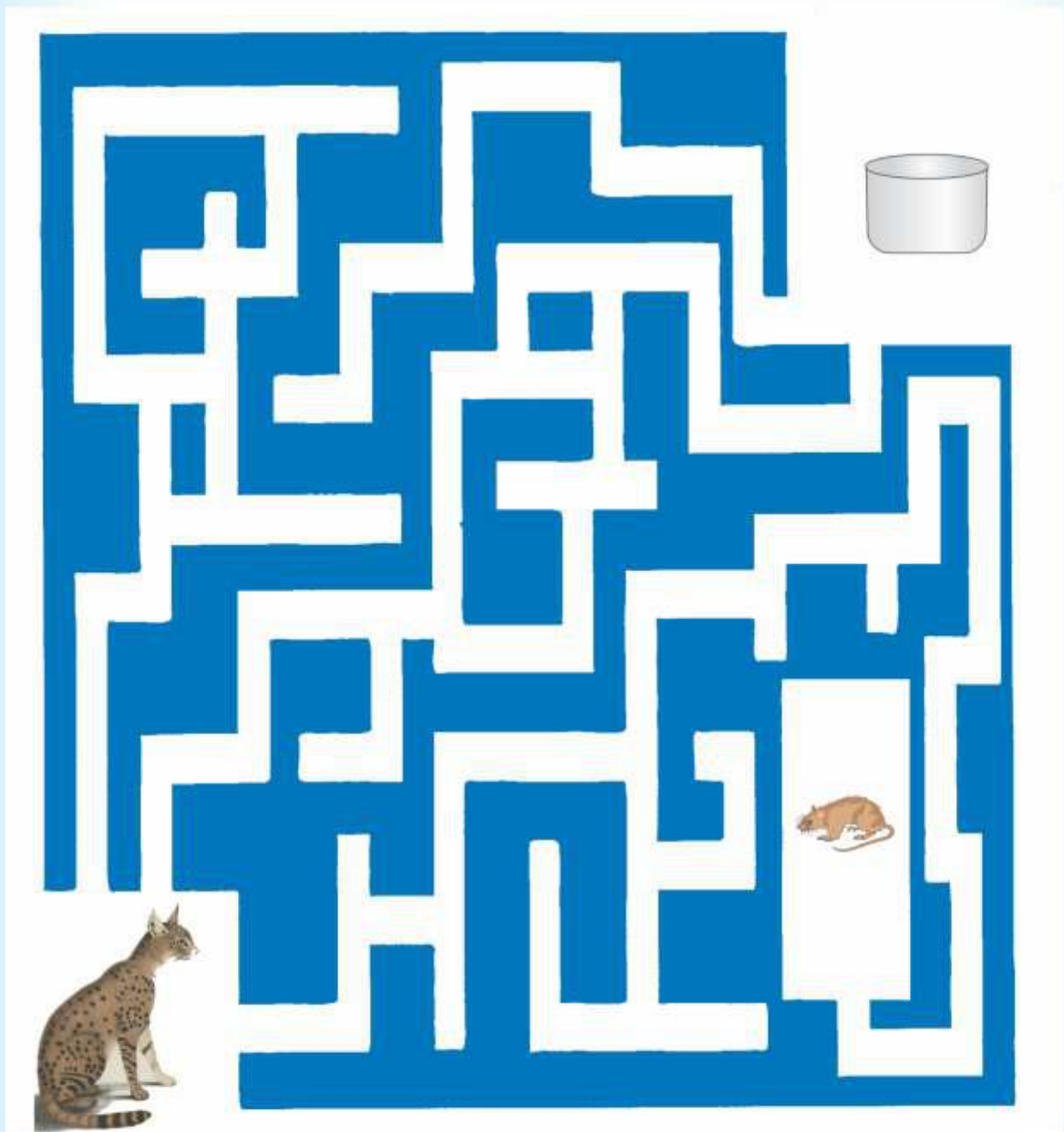


Write :

38	39	40	41	42	43	44	45	46	47	48	49	50																																																							
37												1																																																							
36	<table><tr><td>5</td><td>1</td><td>5</td></tr><tr><td></td><td>2</td><td></td></tr><tr><td>5</td><td></td><td>15</td></tr><tr><td></td><td>4</td><td></td></tr><tr><td>5</td><td></td><td></td></tr><tr><td></td><td>6</td><td></td></tr><tr><td></td><td></td><td>35</td></tr><tr><td>5</td><td></td><td></td></tr><tr><td></td><td>9</td><td></td></tr><tr><td></td><td></td><td>50</td></tr></table>			5	1	5		2		5		15		4		5				6				35	5				9				50	<table><tr><td>Five</td><td>One</td><td>Five</td></tr><tr><td>Five</td><td></td><td></td></tr><tr><td>Five</td><td></td><td></td></tr><tr><td>Five</td><td></td><td></td></tr><tr><td>Five</td><td></td><td></td></tr><tr><td>Five</td><td>Six</td><td></td></tr><tr><td>Five</td><td></td><td></td></tr><tr><td>Five</td><td></td><td>Forty</td></tr><tr><td>Five</td><td></td><td></td></tr><tr><td>Five</td><td></td><td></td></tr></table>			Five	One	Five	Five			Five			Five			Five			Five	Six		Five			Five		Forty	Five			Five			2
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Indoor Game :





Colour :

54	61	58	64	67
62	38	23	65	39
55	32	12	17	24
43	18	19	27	20

In tens	6	In units	7
In tens	3	In units	8
In tens	5	In units	4
In tens	1	In units	2
In tens	2	In units	0

In tens	5	In units	8
In tens	2	In units	3
In tens	3	In units	9
In tens	2	In units	7
In tens	6	In units	0



Think and Say :



Discussion :

65	54
----	----

50	55
----	----

62	23
----	----

33	64
----	----

61	34
----	----

79	57
----	----



Story :



Discussion :

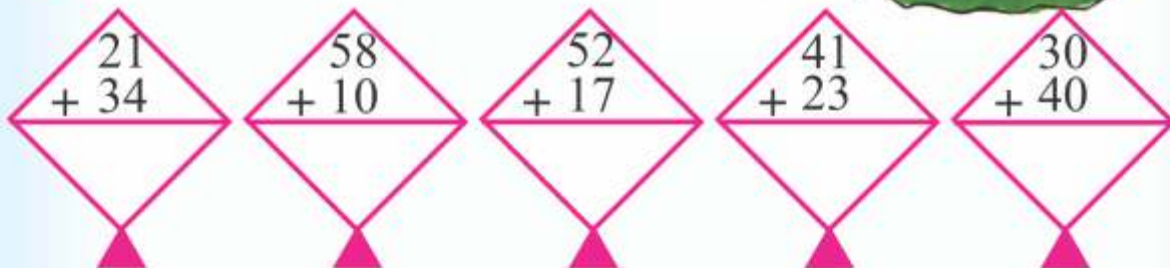




Think and Say :



Puzzle :



- ☐ 68 ☐ 69 ☐ 55 ☐ 70 ☐ 64



Observe and Do :

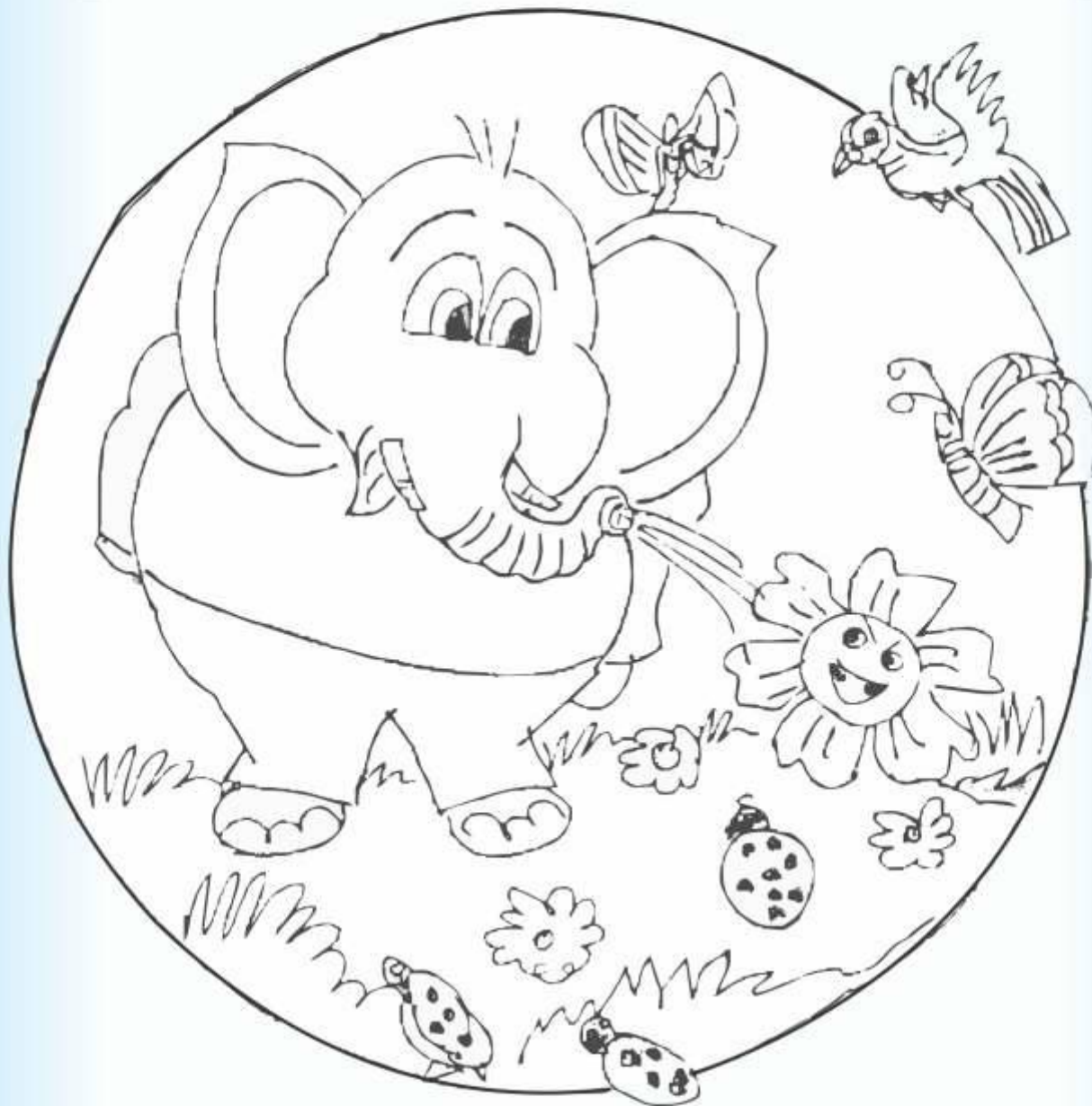




Colour :



Write :



Elephant

**Puzzle :**

9	7	5		18
	+ 2	+ _____	- 2	- _____
	_____	_____	_____	_____
				9



15	17			3
	- 2	+ _____	- _____	+ _____
	_____	_____	_____	_____
		15		



18	9		39	58
	+ 9	+ 7	- _____	- _____
	_____	_____	_____	_____
	18			

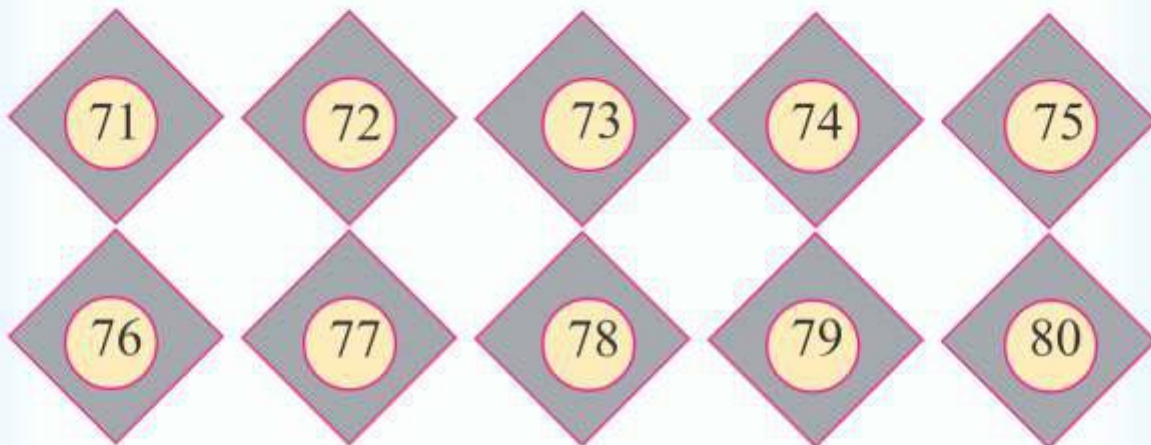
2. We like...



Discussion :



Colour :



71				75					
						74			71



Role Play :



Colour :





Indoor Game :



Activity :





Discussion :



Puzzle :

$\begin{array}{r} 25 \\ + 43 \\ \hline \end{array}$	$\begin{array}{r} 21 \\ + 52 \\ \hline \end{array}$	$\begin{array}{r} 32 \\ + 43 \\ \hline \end{array}$	$\begin{array}{r} 61 \\ + 13 \\ \hline \end{array}$	$\begin{array}{r} 20 \\ + 54 \\ \hline \end{array}$
$\begin{array}{r} 34 \\ + 41 \\ \hline \end{array}$	$\begin{array}{r} 55 \\ + 23 \\ \hline \end{array}$	$\begin{array}{r} 36 \\ + 42 \\ \hline \end{array}$	$\begin{array}{r} 64 \\ + 13 \\ \hline \end{array}$	$\begin{array}{r} 32 \\ + 42 \\ \hline \end{array}$
$\begin{array}{r} 31 \\ + 41 \\ \hline \end{array}$	$\begin{array}{r} 53 \\ + 20 \\ \hline \end{array}$	$\begin{array}{r} 24 \\ + 52 \\ \hline \end{array}$	$\begin{array}{r} 23 \\ + 51 \\ \hline \end{array}$	$\begin{array}{r} 24 \\ + 55 \\ \hline \end{array}$
71	72	73	74	75



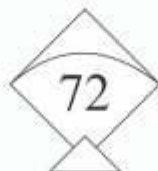
Outdoor Game :



Colour :



Seventy four



Seventy five



Seventy two



Seventy one

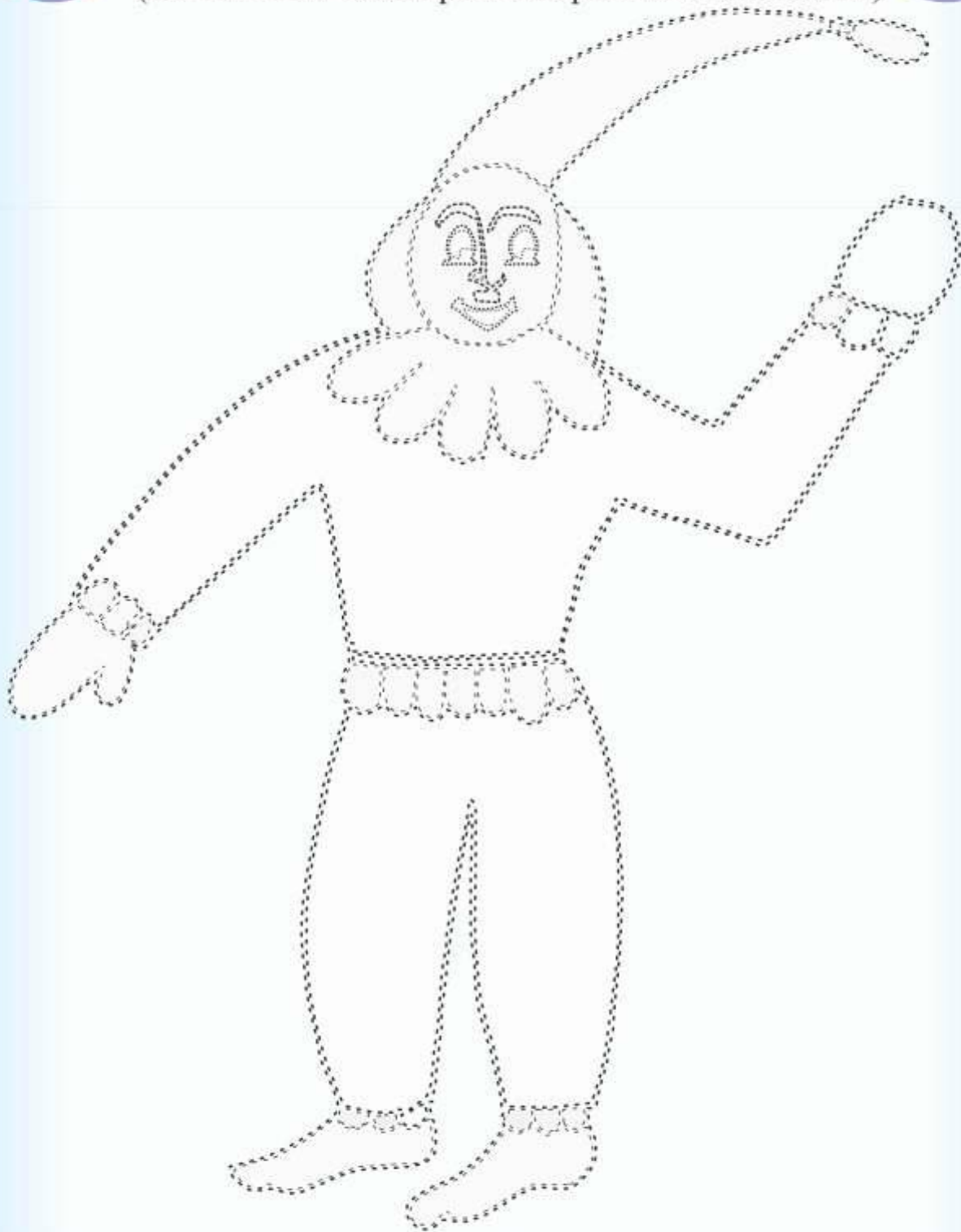


Seventy three



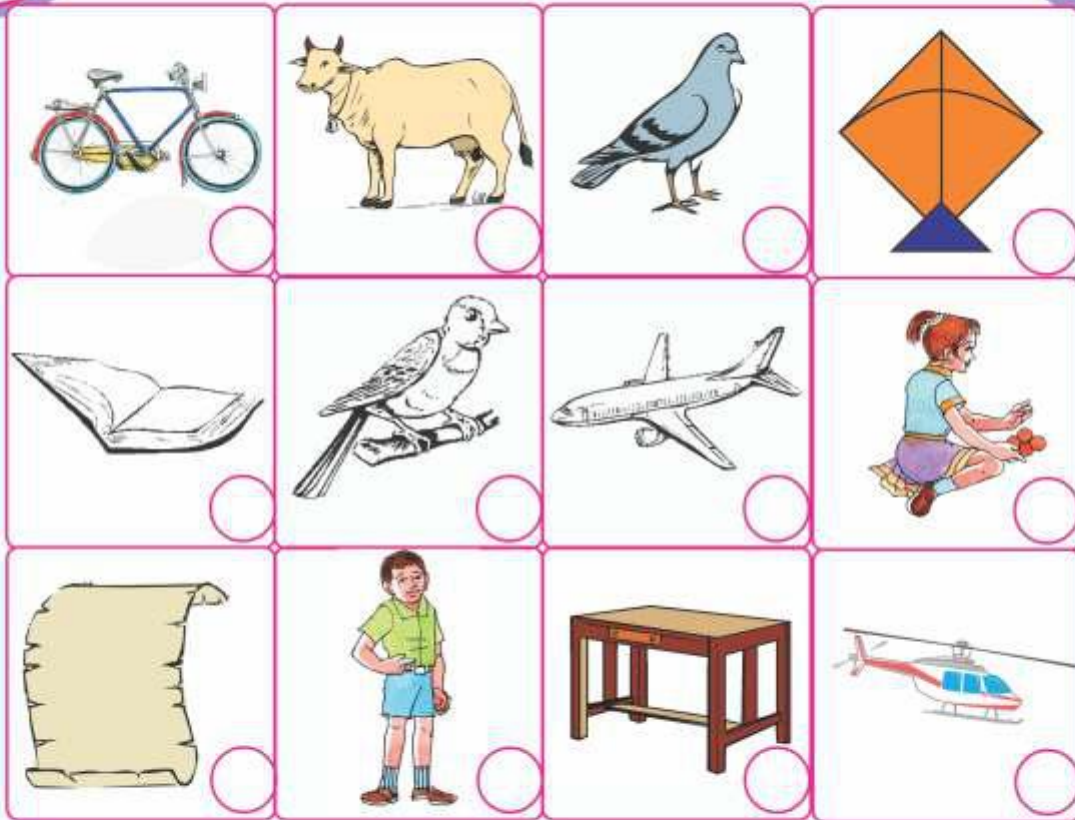
Colour :

(Join the dots to complete the picture and colour it.)





Colour :



Outdoor Game :

71	72	73	74	75
80	79	78	77	76



**Add :**

$$\begin{array}{r} 45 \\ + 19 \\ \hline \end{array}$$

$$\begin{array}{r} 26 \\ + 39 \\ \hline \end{array}$$

$$\begin{array}{r} 46 \\ + 25 \\ \hline \end{array}$$

$$\begin{array}{r} 39 \\ + 23 \\ \hline \end{array}$$

$$\begin{array}{r} 18 \\ + 35 \\ \hline \end{array}$$

$$\begin{array}{r} 35 \\ + 45 \\ \hline \end{array}$$

$$\begin{array}{r} 18 \\ + 56 \\ \hline \end{array}$$

$$\begin{array}{r} 40 \\ + 40 \\ \hline \end{array}$$

$$\begin{array}{r} 42 \\ + 29 \\ \hline \end{array}$$

$$\begin{array}{r} 30 \\ + 50 \\ \hline \end{array}$$

$$\begin{array}{r} 44 \\ + 28 \\ \hline \end{array}$$

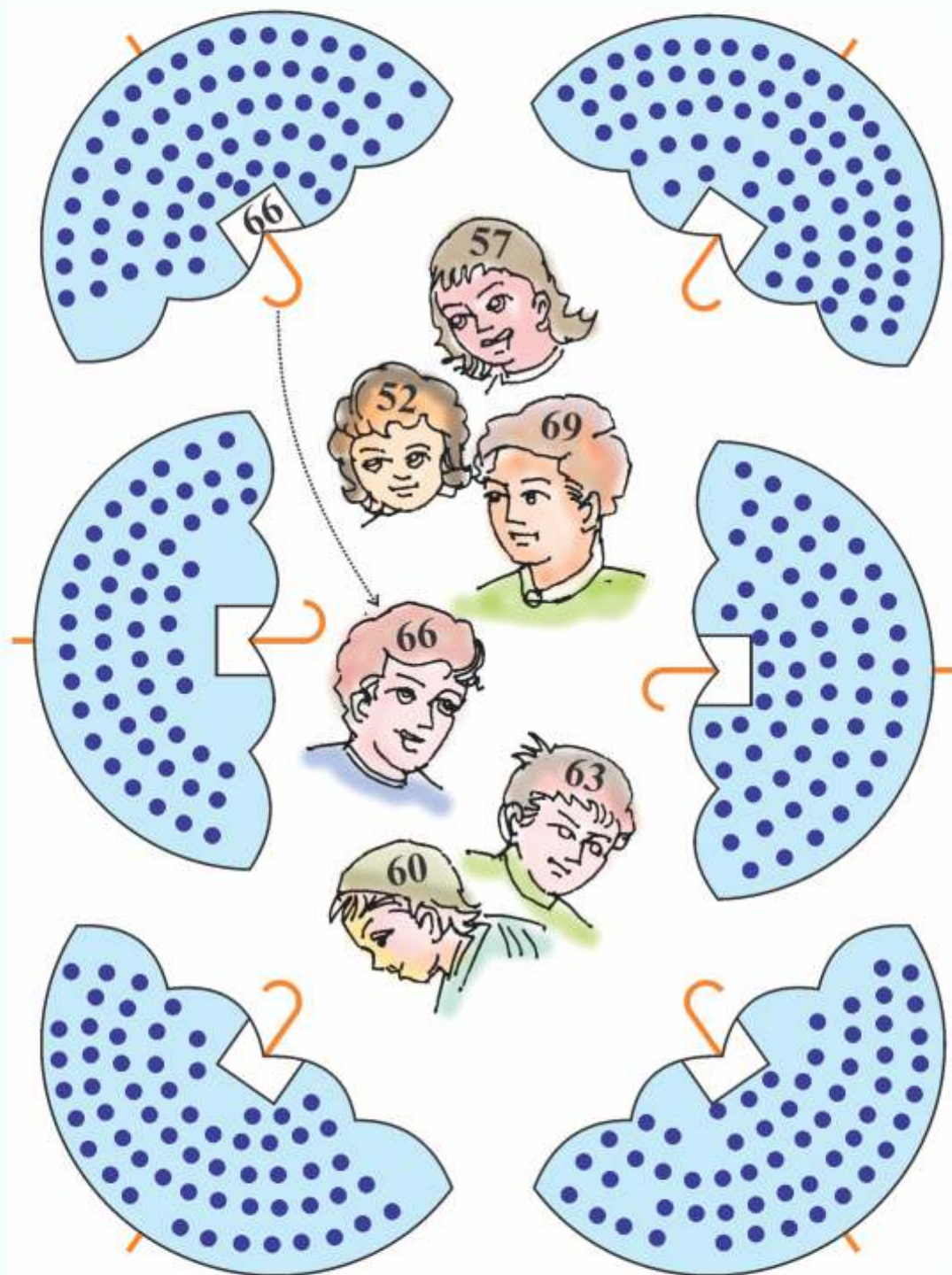
$$\begin{array}{r} 33 \\ + 47 \\ \hline \end{array}$$



Count :



Write :



**Read :**

 7 tens and 1 ... 71 Seventy one

 7 tens and 2 ... 72 Seventy two

 7 tens and 3 ... 73 Seventy three

 7 tens and 4 ... 74 Seventy four


 7 tens and 5 ... 75 Seventy five

 7 tens and 6 ... 76 Seventy six

 7 tens and 7 ... 77 Seventy seven

 7 tens and 8 ... 78 Seventy eight

 7 tens and 9 ... 79 Seventy nine

 8 tens ... 80 Eighty



Write :

71			74						80
80		78							71
71	72								
80	79								

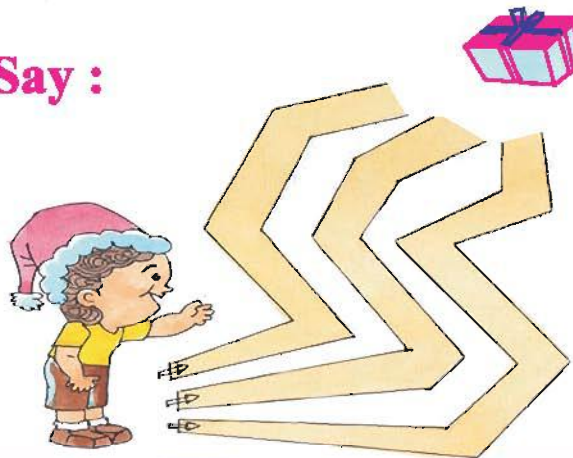


Write :

75		78	
	72		70
76		73	
	80	77	

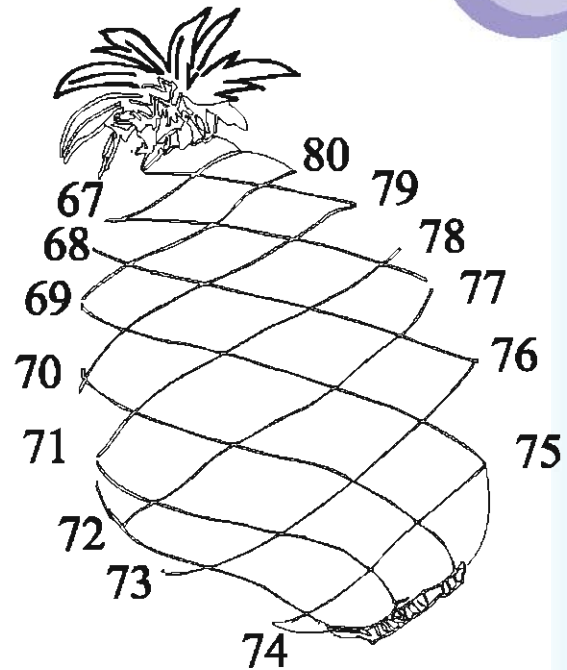
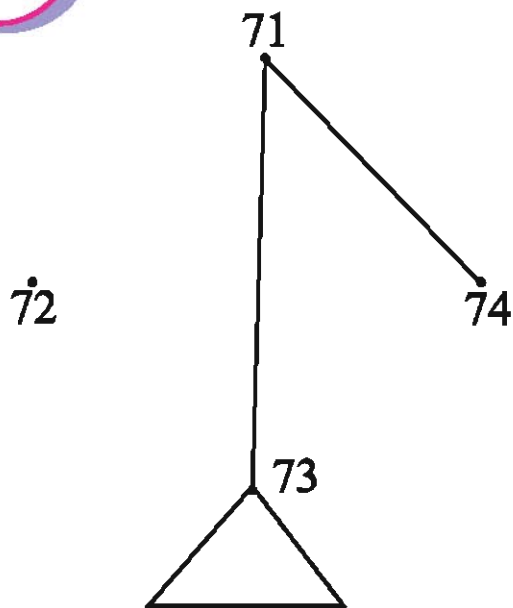


Think and Say :

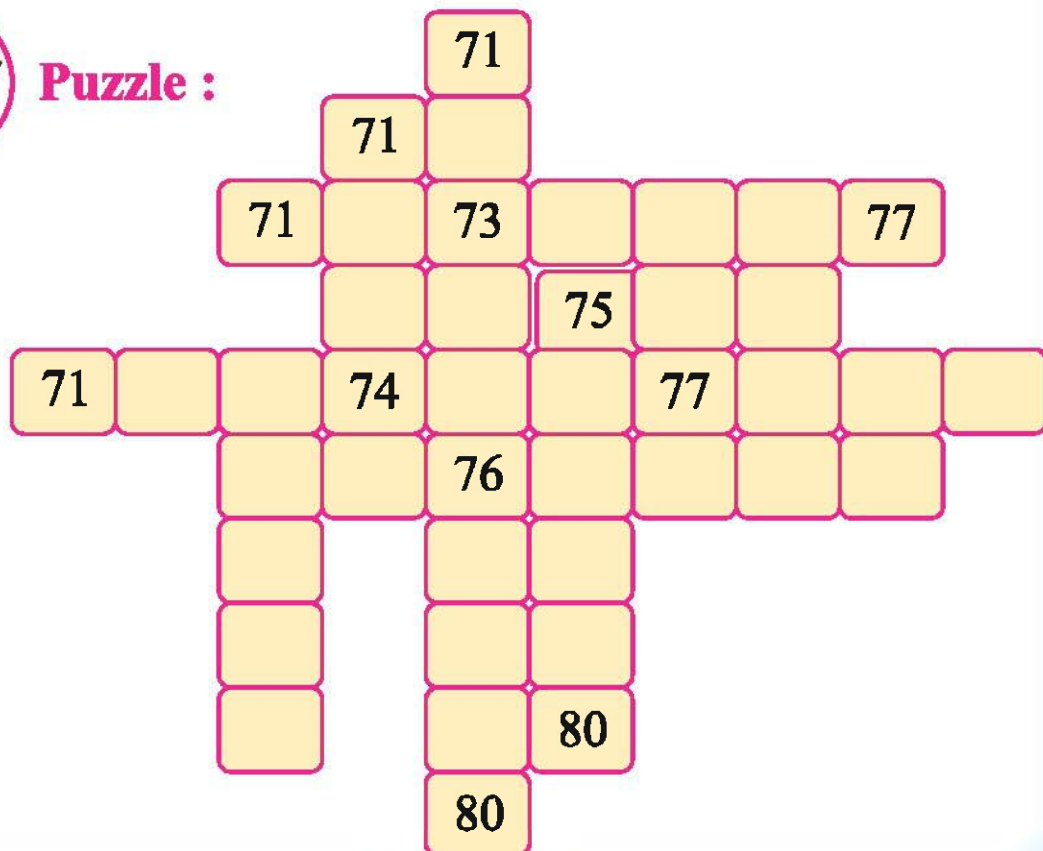




Colour : (Join the dots in order to complete the figure and colour it.)

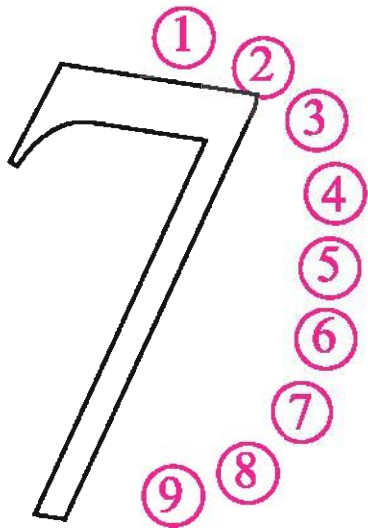


Puzzle :

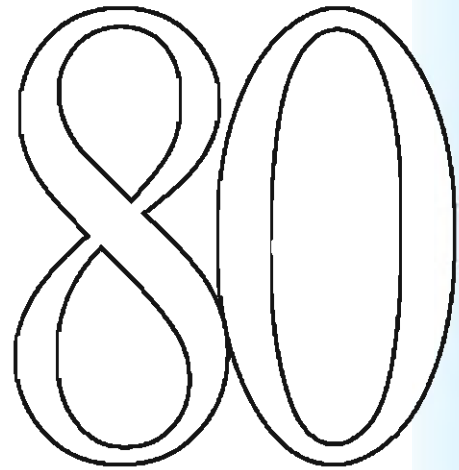




Colour :



71	
	80



Indoor Game :



**Colour :**

41	71
----	----

73	74
----	----

80	70
----	----

78	72
----	----

71	79
----	----

50	45
----	----

68	78
----	----

41	61
----	----

35	78
----	----

**Observation :****Colour :**



Colour :

51 80

74 70

62 72

78 72

68 73

80 71

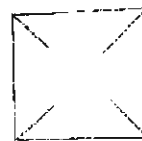
51 73

72 69

73 76



Observation :



Outdoor Game :





Read :



Write :



71

74



80

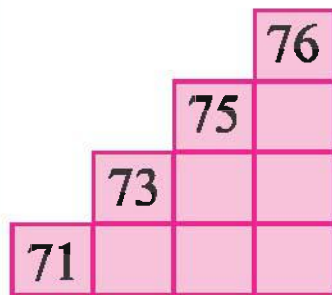
78

74



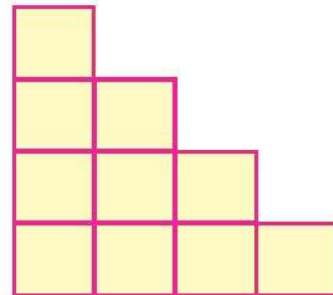
Write :

❖ **Ascending Order**

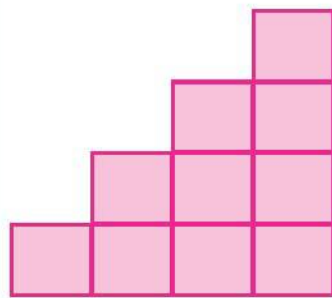


71, 73, 75, 76

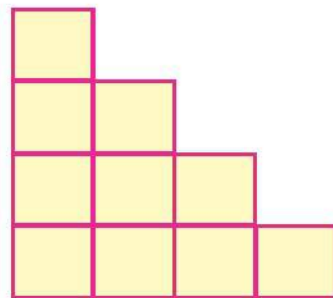
❖ **Descending Order**



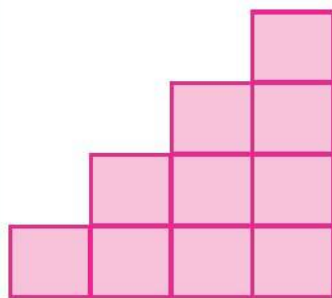
79, 76, 73, 72



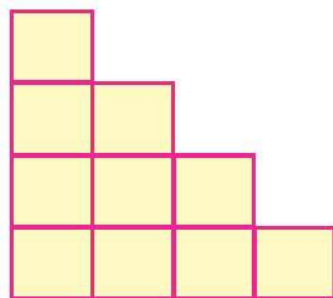
74, 70, 76, 72



74, 70, 76, 72



70, 78, 74, 73



74, 70, 76, 80



Write :

71	Seventy One	76	
72		77	
73		78	
74		79	
75		80	



Write :

Number	Tens	Units	In Words
76	7	6	Seventy Six
80			
81			
79			
75			
72			
77			

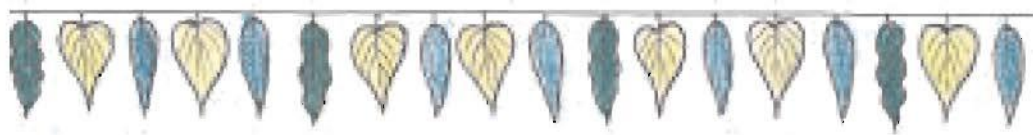
3. Streamer of Leaves (*Toran*)



Discussion :



Activity :



Observation :





Read :

Monika and Gabu were playing. Mummy called Monika.

Mummy : Go and bring some leaves.

Monika : Why do you want leaves ?

Mummy : For making a streamer of leaves.

Gabu : What kind of leaves should we bring aunty ?

Mummy : Bring leaves which are suitable to make a streamer.



Activity :

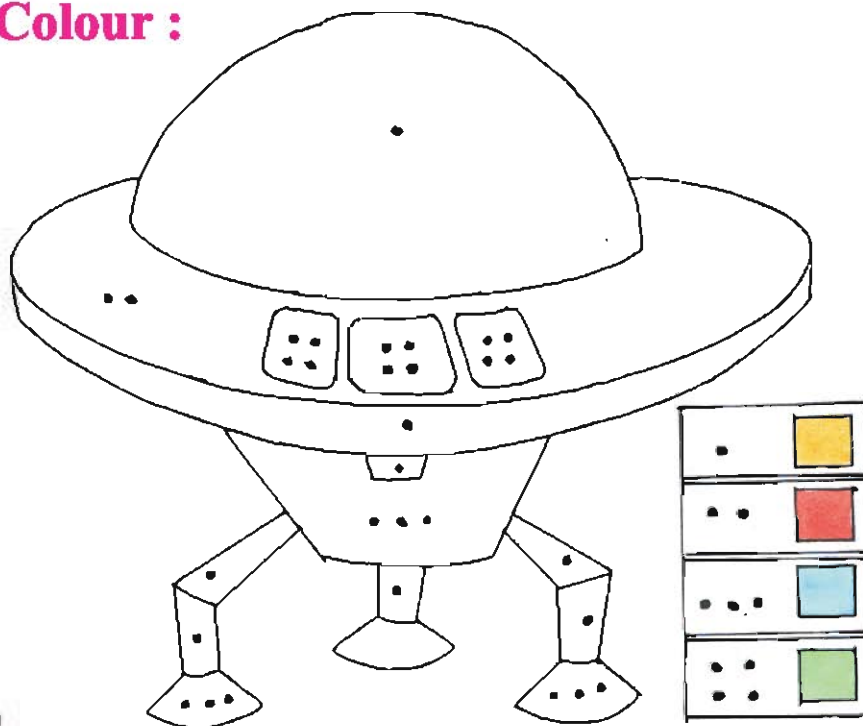


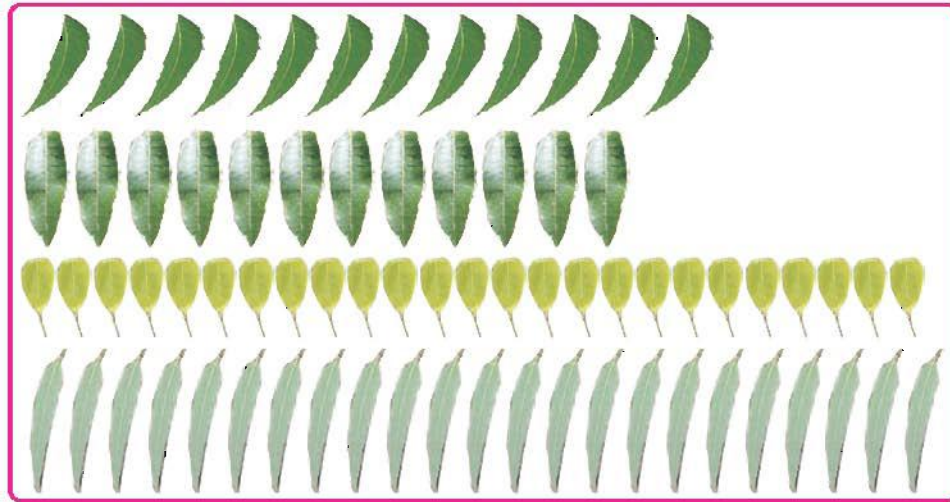


Think and Say :



Colour :



**Count :****Write :**Leaves of Neem tree **12**Leaves of Ashoka tree Leaves of Eucalyptus tree Leaves of Peepal Tree **Puzzle :**

+

	Leaves of Ashoka tree
25	Leaves of Peepal tree
48	Total Leaves

+

	Leaves of Eucalyptus tree
25	

+

	Leaves of Pipal tree
	Leaves of Neem tree

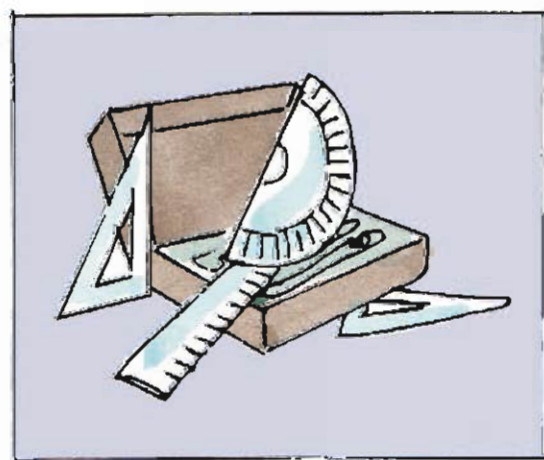
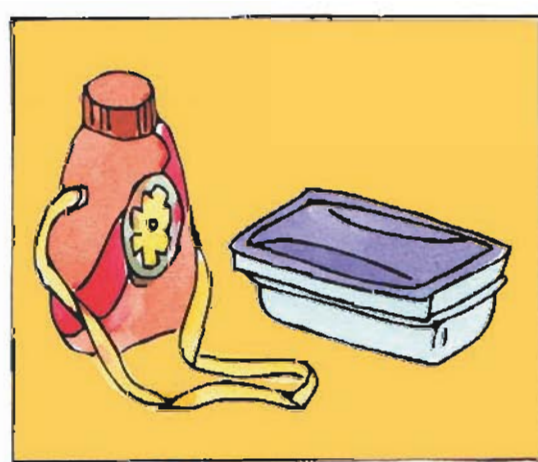
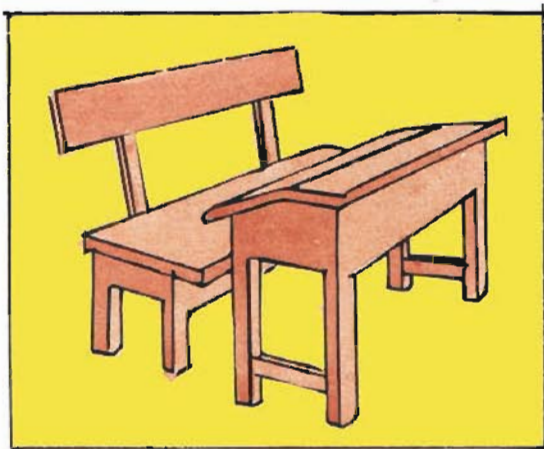
35	



Observation :

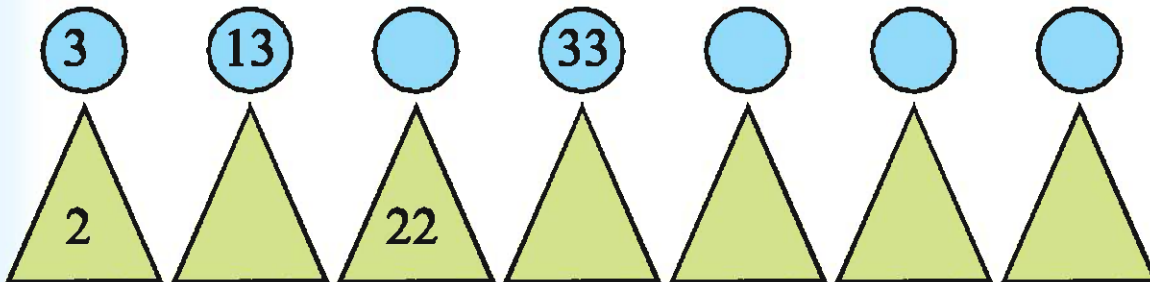


Discussion :

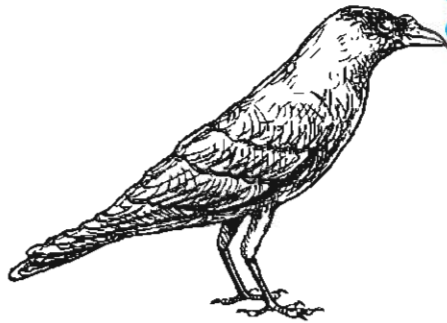


**Observation :****Think and Say :****Write :**

1		21		41			
---	--	----	--	----	--	--	--

**Count :**

**Add four to Eight,
Get the answer twelve**

**Role Play :**

Caw... Caw... Caw...

**Puzzle :**

$23 + 32$

$44 + 34$

$22 + 12$

$32 + 46$

$41 + 14$

$35 + 43$

$10 + 24$

$20 + 14$

$35 + 20$

**Outdoor Game :**

25



15

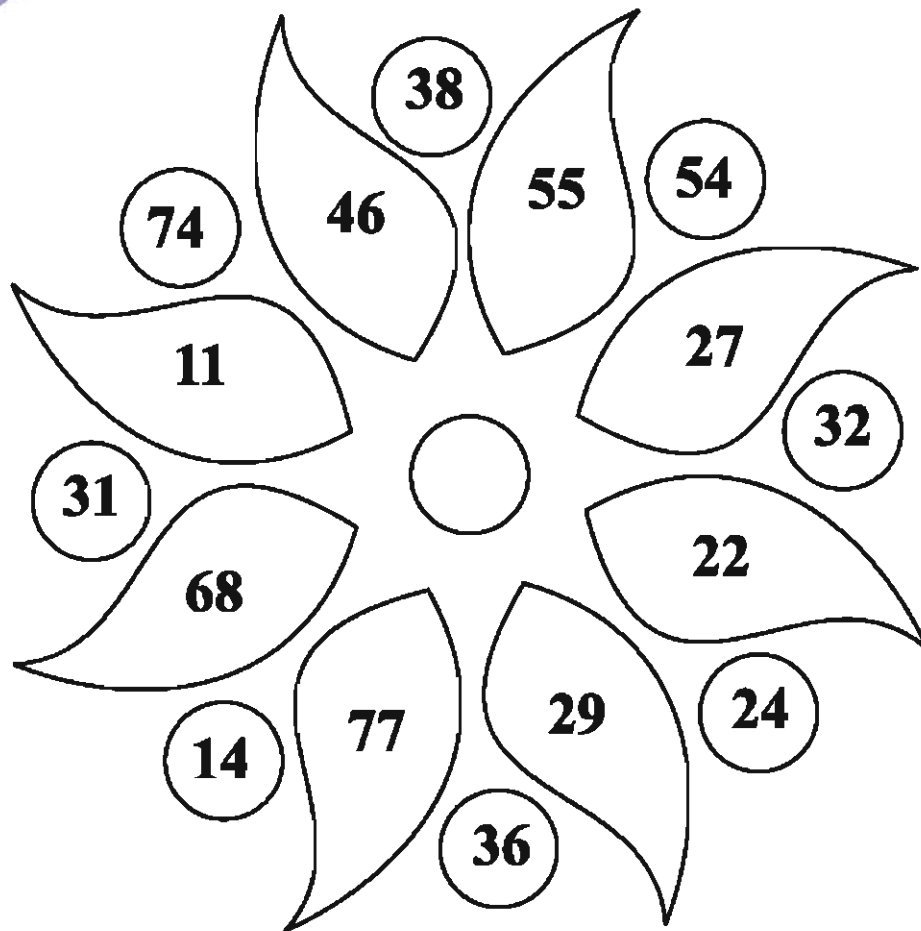


40





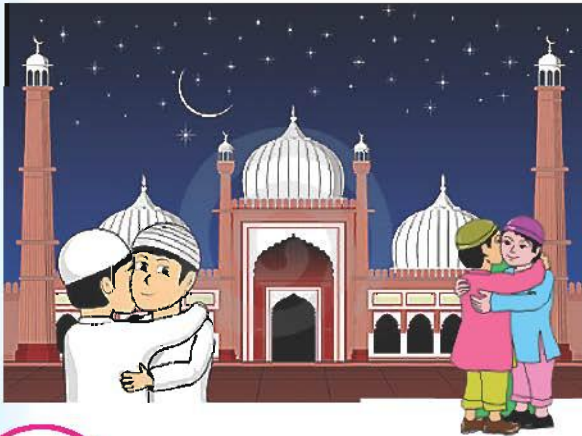
Colour :



- The number having the same digit in the place of units and tens
- The number having ten's digit bigger than unit's
- The number which has 4 at unit's place
- The number which has 3 at ten's place



Think and Say :



Write :

Today's Details

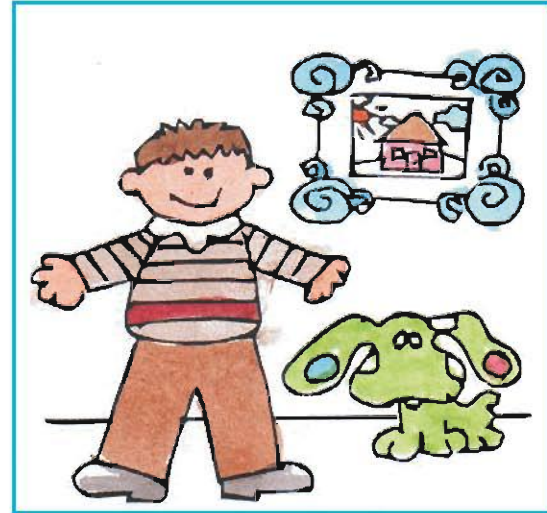
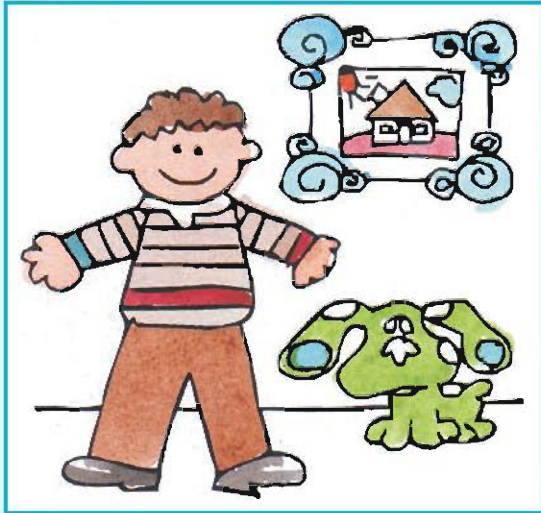
Date :

Day :

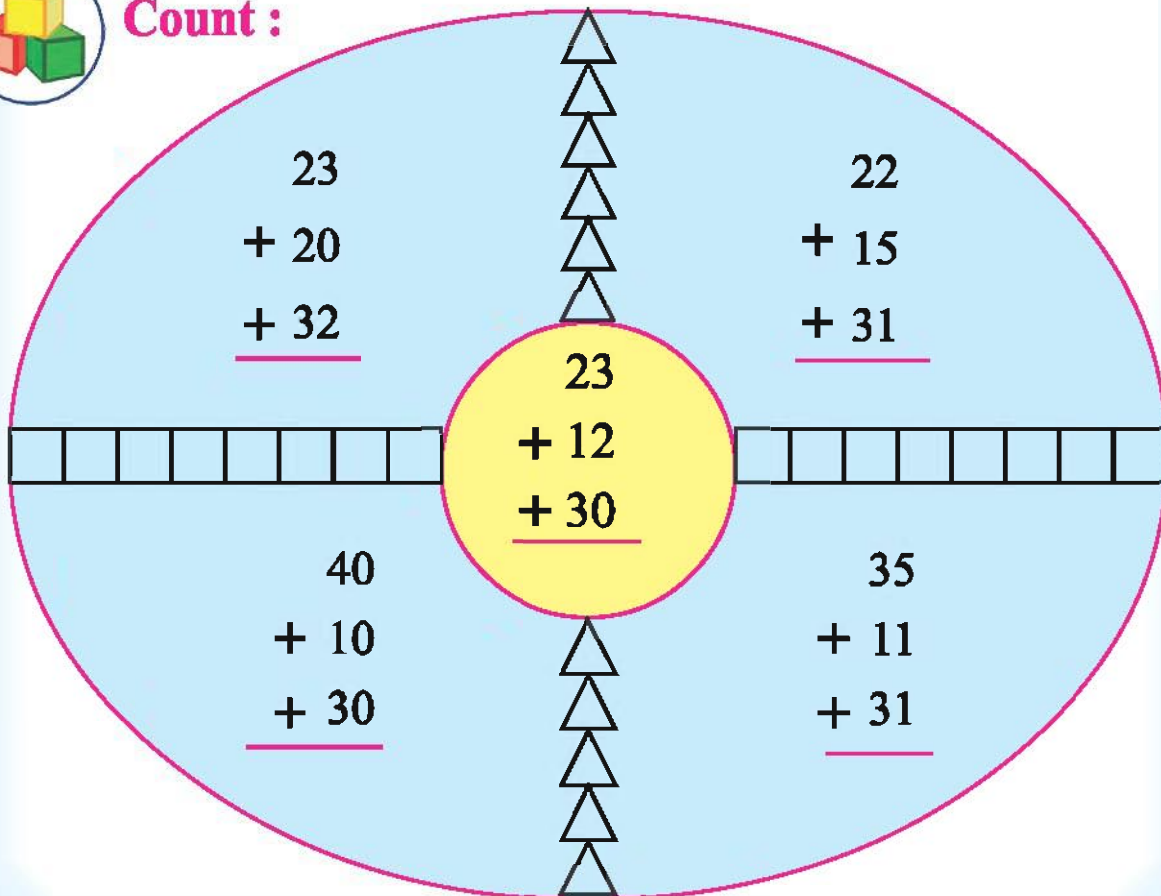
Breakfast	
Lunch	



Puzzle :



Count :





Write :

$$\begin{array}{r} 18 \\ + 20 \\ \hline \end{array}$$

84

$$\begin{array}{r} 74 \\ + 10 \\ \hline \end{array}$$

38

$$\begin{array}{r} 40 \\ + 25 \\ \hline \end{array}$$

44

$$\begin{array}{r} 23 \\ + 21 \\ \hline \end{array}$$

69

$$\begin{array}{r} 19 \\ + 50 \\ \hline \end{array}$$

65



Puzzles :

Tens Ones

$$\begin{array}{|c|c|} \hline 5 & 4 \\ \hline \end{array} = \begin{array}{|c|} \hline 54 \\ \hline \end{array}$$

$$\begin{array}{|c|c|} \hline 4 & 3 \\ \hline \end{array} = \begin{array}{|c|} \hline \\ \hline \end{array}$$

$$\begin{array}{|c|c|} \hline 8 & 3 \\ \hline \end{array} = \begin{array}{|c|} \hline \\ \hline \end{array}$$

$$\begin{array}{|c|c|} \hline & \\ \hline \end{array} = \begin{array}{|c|} \hline 92 \\ \hline \end{array}$$

$$\begin{array}{|c|c|} \hline & \\ \hline \end{array} = \begin{array}{|c|} \hline 61 \\ \hline \end{array}$$

$$\begin{array}{|c|c|} \hline 3 & 0 \\ \hline \end{array} = \begin{array}{|c|} \hline \\ \hline \end{array}$$

$$\begin{array}{|c|c|} \hline & 9 \\ \hline \end{array} = \begin{array}{|c|} \hline 2_ \\ \hline \end{array}$$

$$\begin{array}{|c|c|} \hline 7 & \\ \hline \end{array} = \begin{array}{|c|} \hline _2 \\ \hline \end{array}$$

$$\begin{array}{|c|c|} \hline 5 & \\ \hline \end{array} = \begin{array}{|c|} \hline _6 \\ \hline \end{array}$$



Discussion :

45	79	44	53
34	55	83	69
66	27	28	11
58	72	39	42

◆ Unit's and ten's digits are equal ●

◆ Unit's digit is bigger ●

● ◆ Ten's digit is bigger ●



Write :

72				76		
73		71		69		
65			68			71

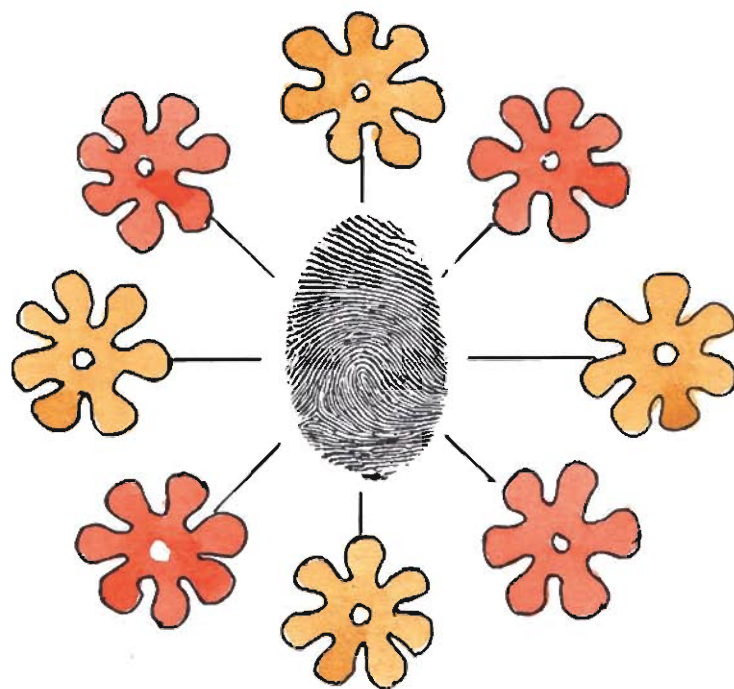


Write :

58	59	79	
	67		60
	78	52	
71			73



Activity :



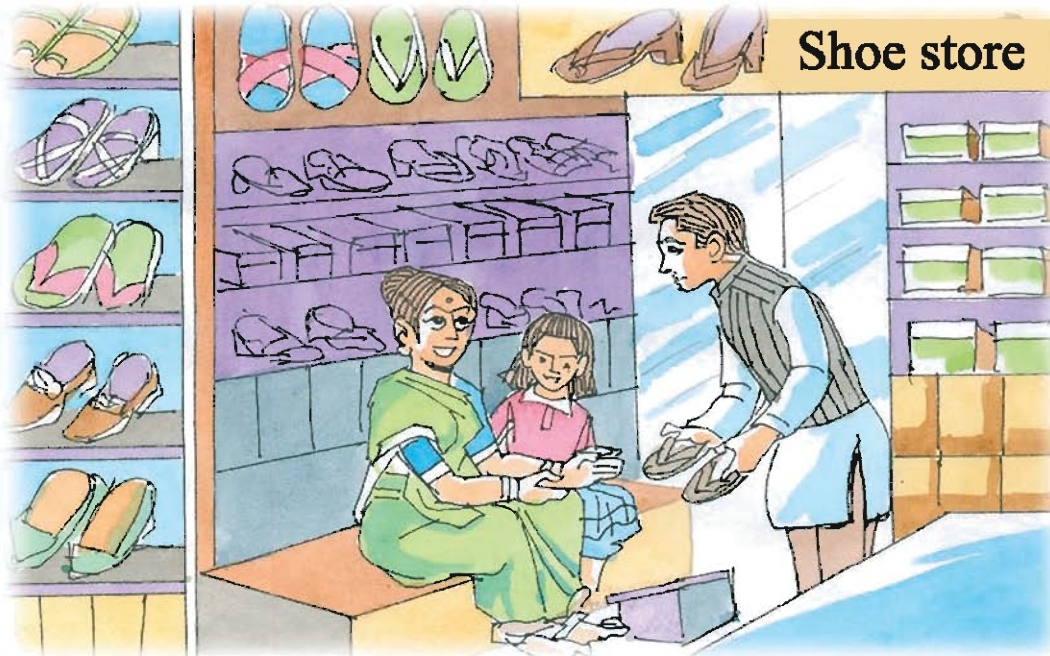
4. In a Shop with Mother



Read :



Think and Say :



Hetal and her mother went to the market. Hetal wanted to buy a new pair of shoes for herself. They went to a shoe store. There were good varieties of shoes in the shop.

Hetal : I want to buy this black and red colour shoes.

Mummy : But it is made of plastic.

Shopkeeper : Yes, but it is durable.

Hetal : But plastic shoes are not comfortable for me.

Shopkeeper : Do you like shoes made by cloth ?

Mummy : Try it.

Hetal : It is good but bigger in size !

Shopkeeper : This pair of sandals is nice.

Mummy : Yes, this is good. Hetal, walk a little after wearing them.

Hetal : Yes mummy, it is comfortable. I like it.

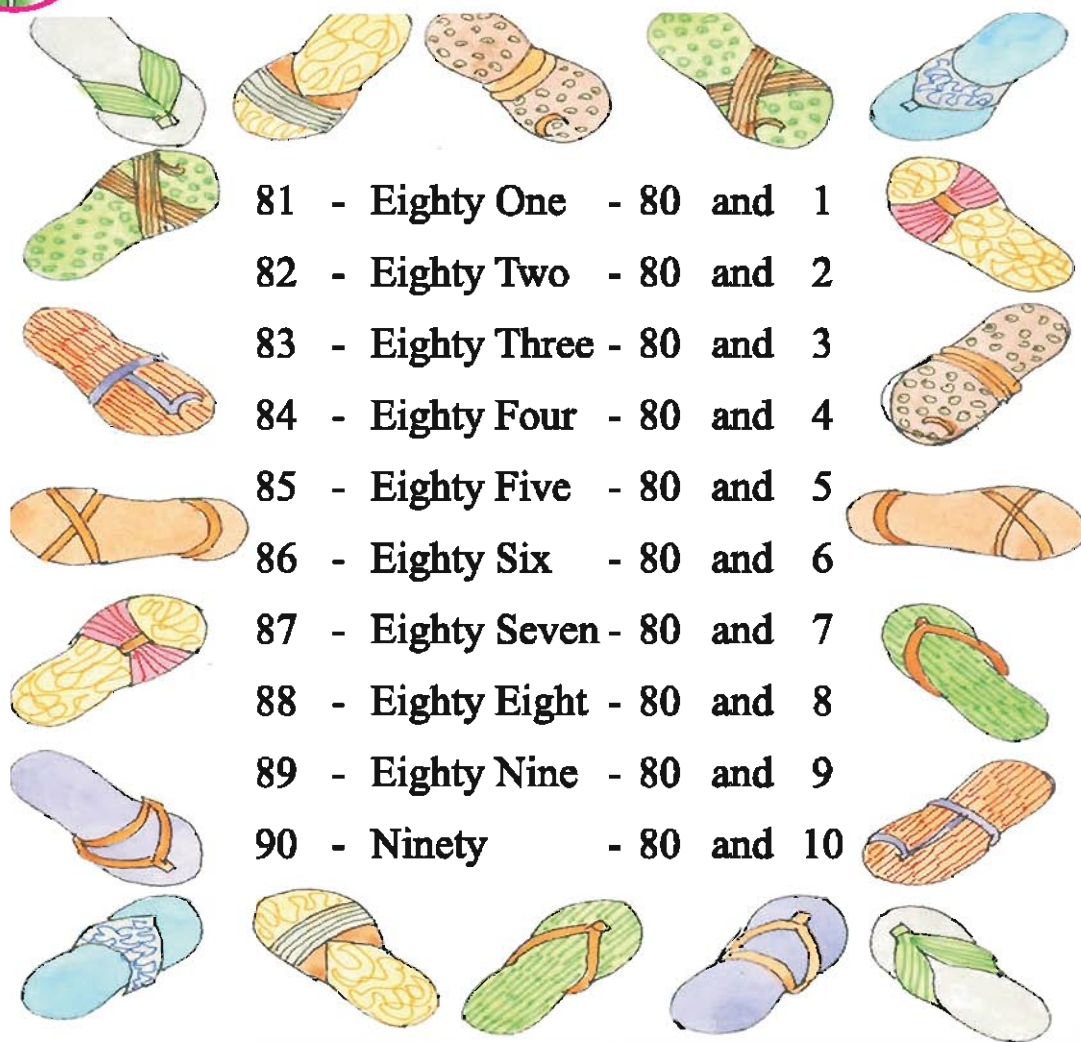
Mummy : How much does this pair of sandals cost ?

Shopkeeper : The cost is written on it.

Mummy : I don't have that much money.



Read :



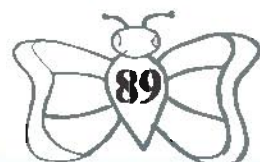
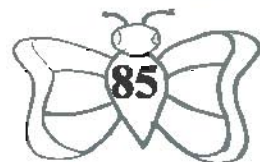
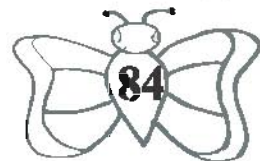
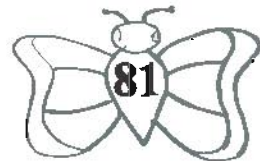
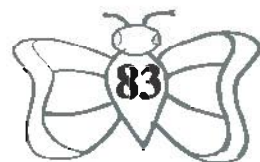


Write :

		81	82					
82		84				88		
	85				89			

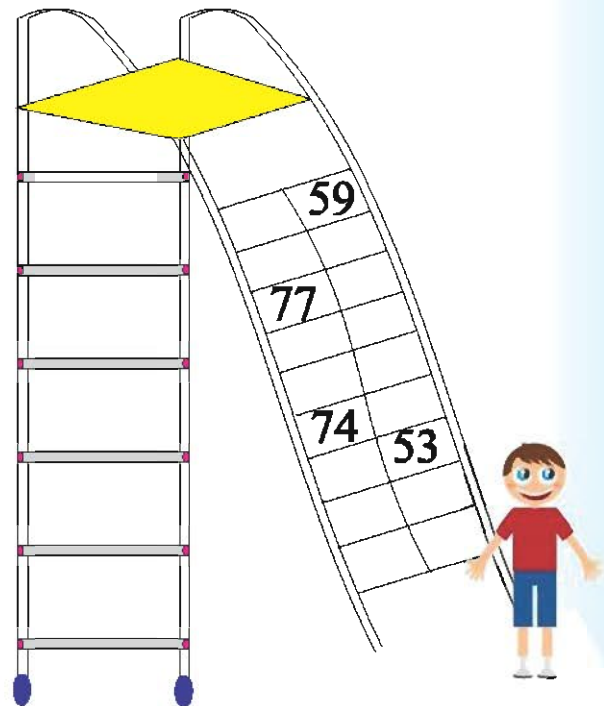
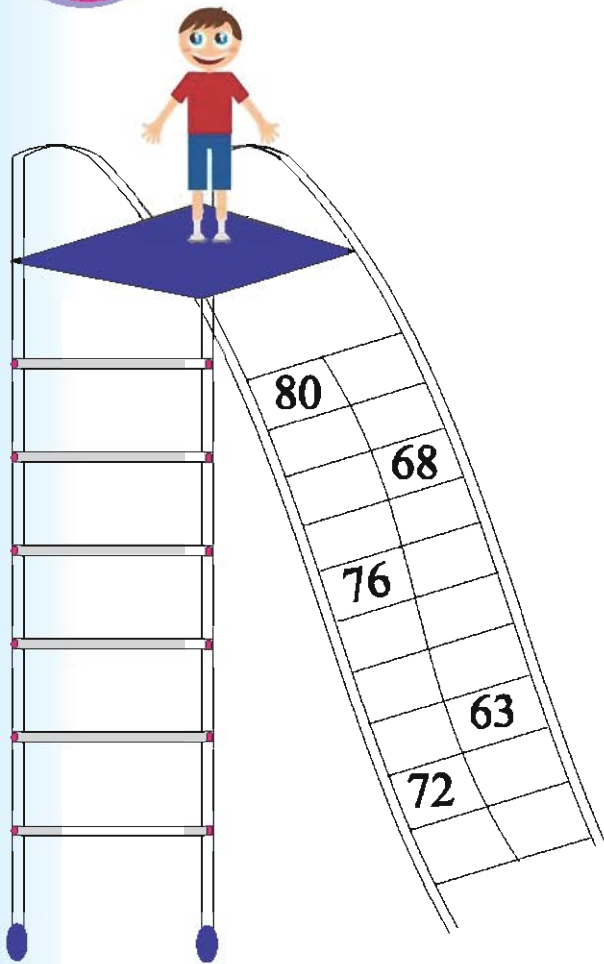


Colour :

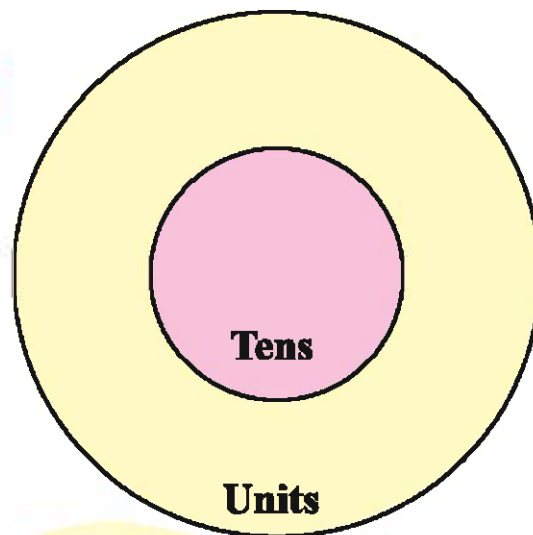


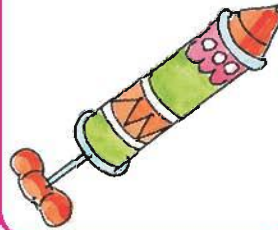
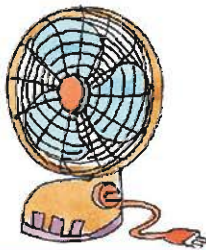
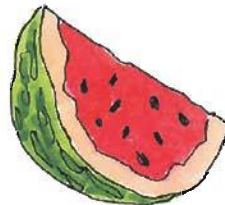
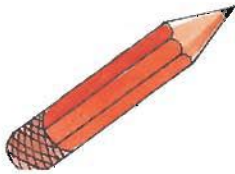
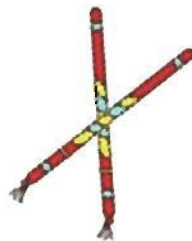


Write :



Indoor Game :



**Observation :****Discussion :****(1) January****(2) February****(3) March****(4) April****(5) May****(6) June****(7) July****(8) August****(9) September****(10) October****(11) November****(12) December****Write :****(1)**

(5)

(9)

(2)

(6)

(10)

(3)

(7)

(11)

(4)

(8)

(12)



Read :

One day, Rinky and Pinky were talking about their favourite months.

I like July and August because it rains in these months.



I like May and June because we get to eat mangoes in these months.



Think and Say :



**Think and Say :****Write :**

	Months in English		Months in Gujarati
1.		1.	
2.		2.	
3.		3.	
4.		4.	
5.		5.	
6.		6.	
7.		7.	
8.		8.	
9.		9.	
10.		10.	
11.		11.	
12.		12.	

**Puzzle :****Discussion :**

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	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



Count :



9 Ten



9 Ten



9 Ten



9 Ten



9 Ten



9 Ten



9 Ten



9 Ten



9 Ten



9 Ten



1



2



3



4



5



6



7



8



9



10



Ninety One



Ninety Two



Ninety Three



Ninety Four



Ninety Five



Ninety Six



Ninety Seven



Ninety Eight



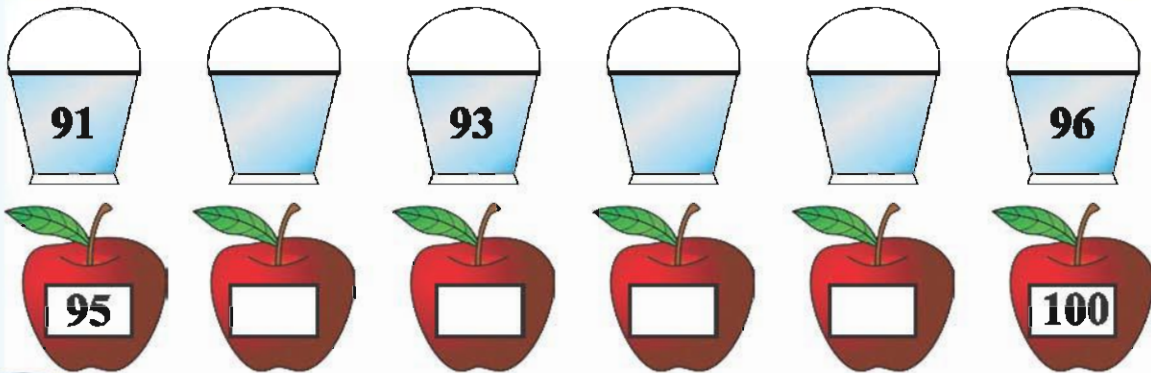
Ninety Nine



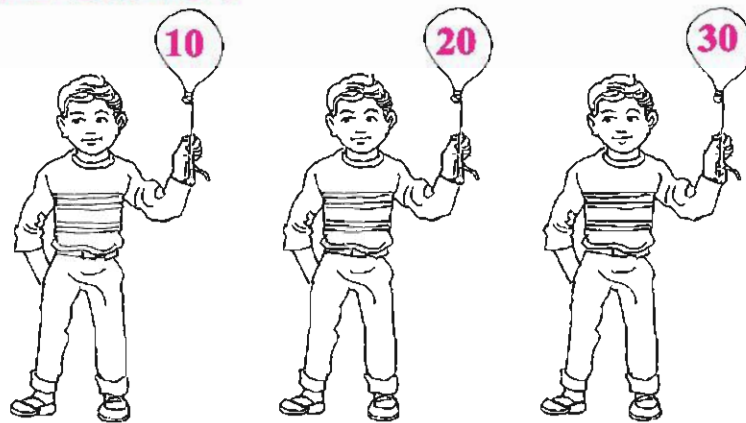
Hundred



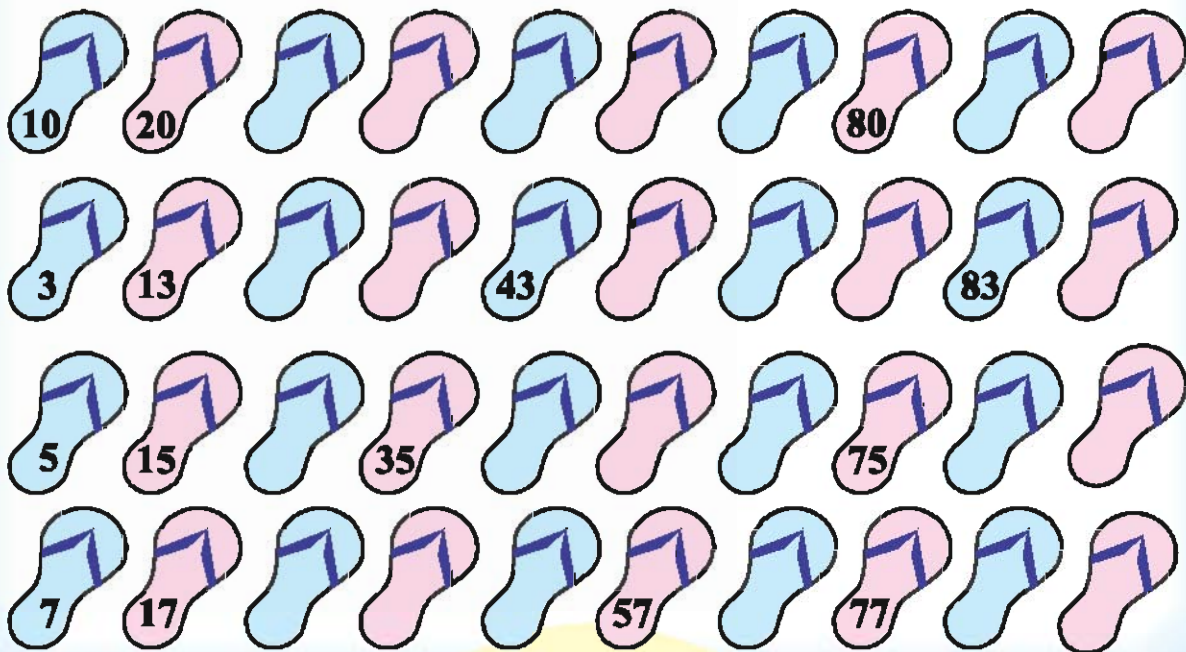
Write :



Classroom Game :



Write :





Observe and Do :

92

Ninety One

95

Ninety Six

91

Ninety Nine

Ninety Five

Ninety Two

93

Ninety Seven

99

97

98

Ninety Four

94

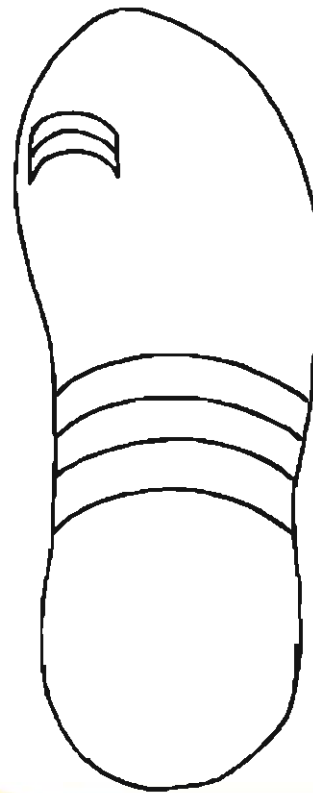
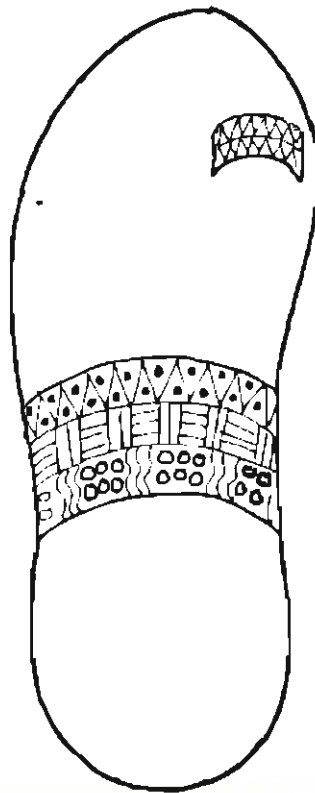
Ninety Eight

96

Ninety Three

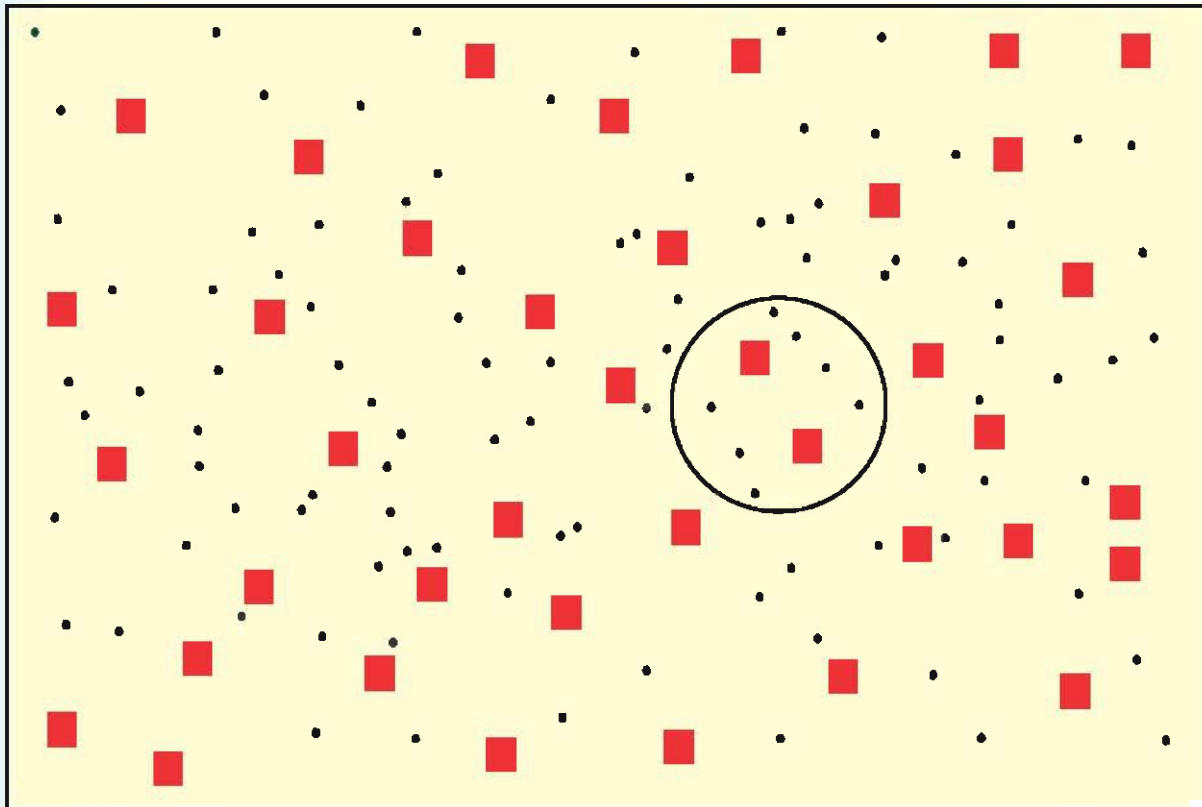


Colour : (Draw and Colour) :





Indoor Game :



Write :

$20 + 7 = 27$		



Indoor Game :

100	99?	98	97★	96	95	94	93	92	91
81★	82	83	84	85?	86	87	88	89	90
80	79	78	77	76	75?	74	73	72	71
61★	62	63	64	65	66	67	68	69	70
60	59	58★	57	56	55	54?	53	52	51
41	42	43	44	45	46?	47	48	49	50
40	39	38	37	36	35	34	33?	32	31
21	22	23	24?	25	26	27	28	29	30
20	19	18	17	16	15★	14	13	12	11
1	2	3	4	5	6	7	8?	9	10



Rules : Roll the dice and move forward according to the number you get. If you find any symbols in any of the boxes, follow the instructions given below.



– Go two steps backward.



– Go five steps forward.

?

– Answer the question.

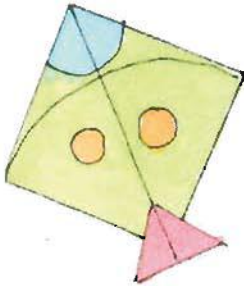
5. Wonders around us



Song :



Discussion :



A square of four angles, has a name of kite,
In high windy sky, it flies and flies and flies.

Moving in the air, a white flag on temple.

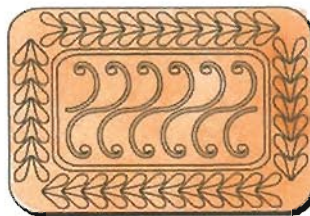
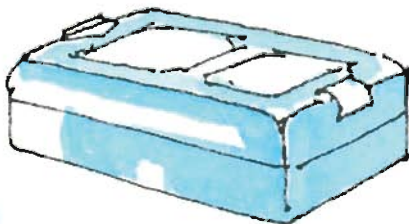
Shows direction to grandpa, it is called a triangle.

Moving round and round, wheel of Gopal's bicycle.

Bigger than a bangle, it's called a circle.

Full is my lunch box with biscuits in it,

If you ask the shape, both are rectangle.

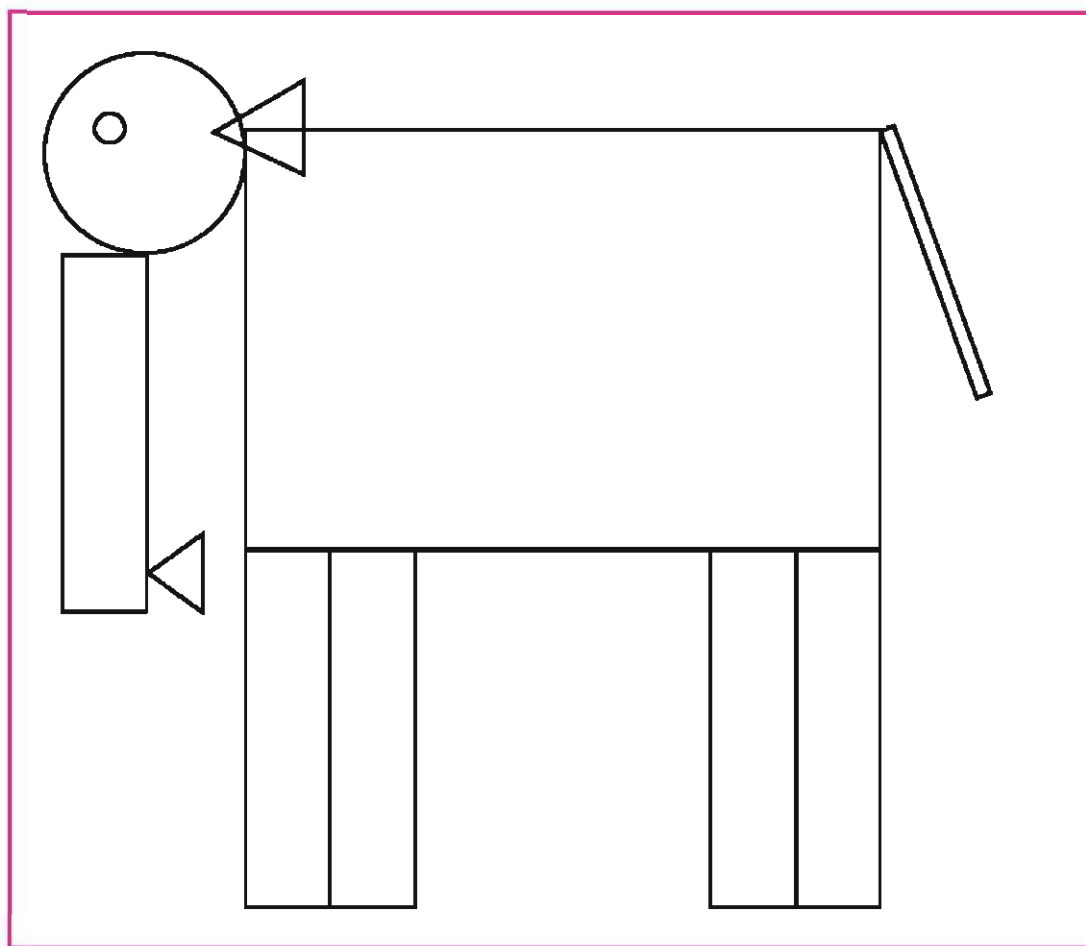




Colour :



Write :



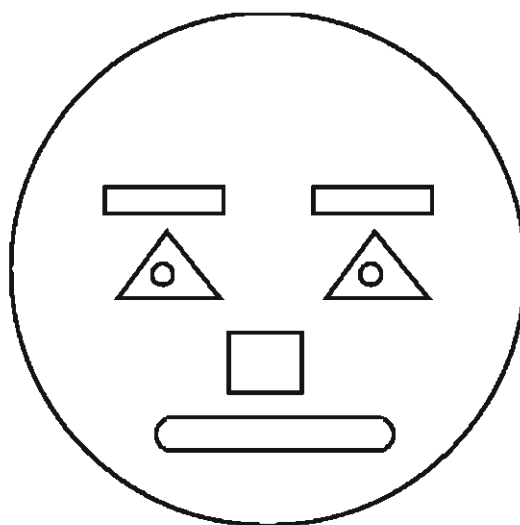
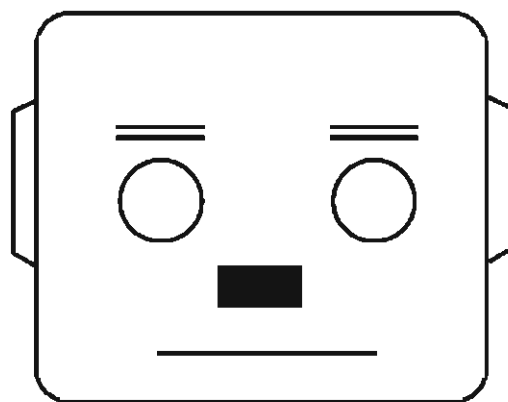
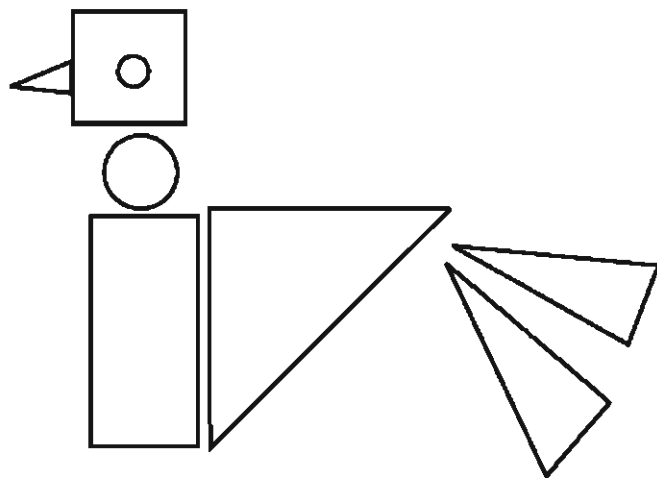


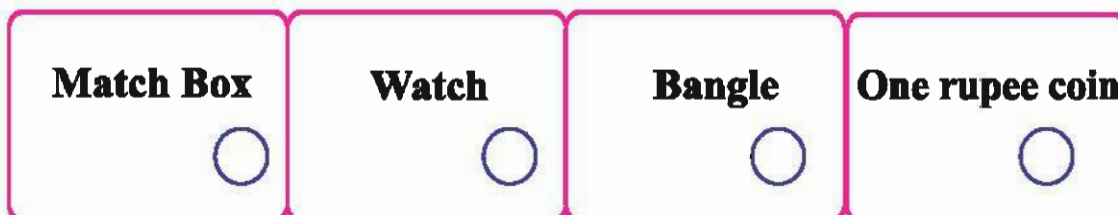
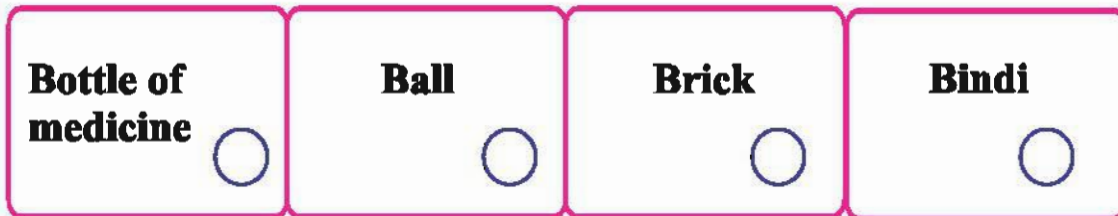
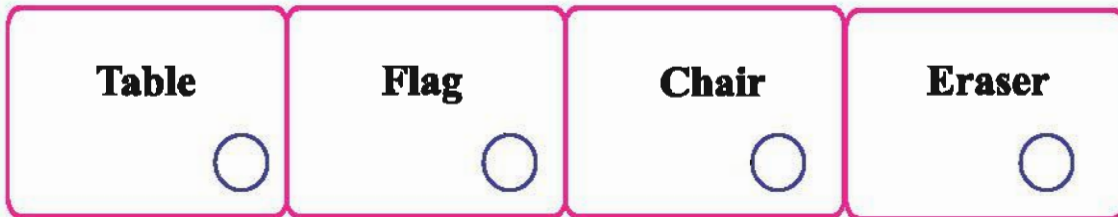
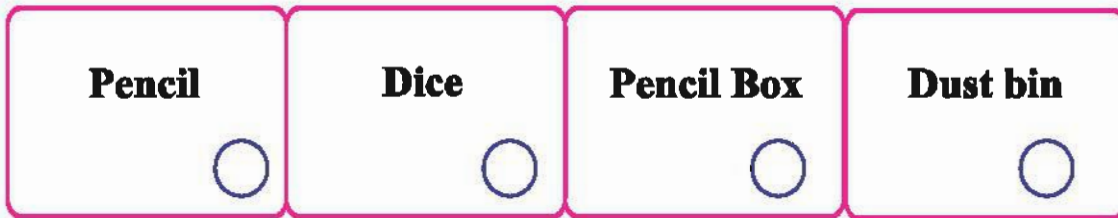
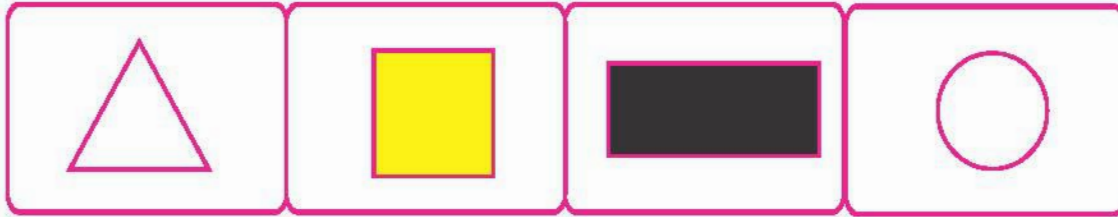
Think and Say :

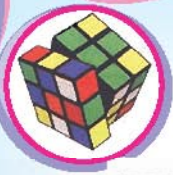




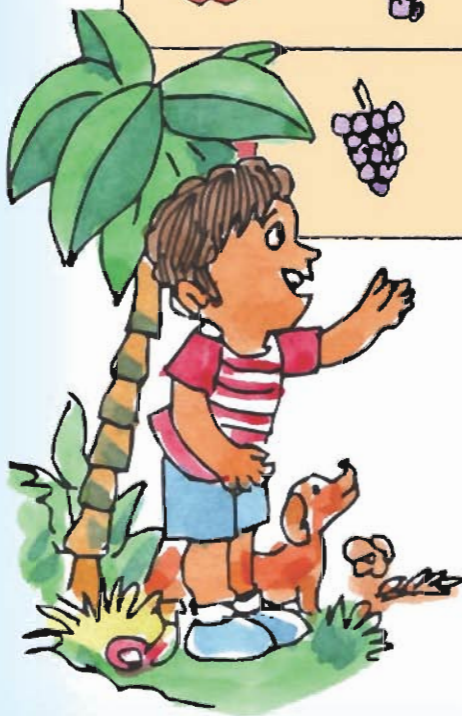
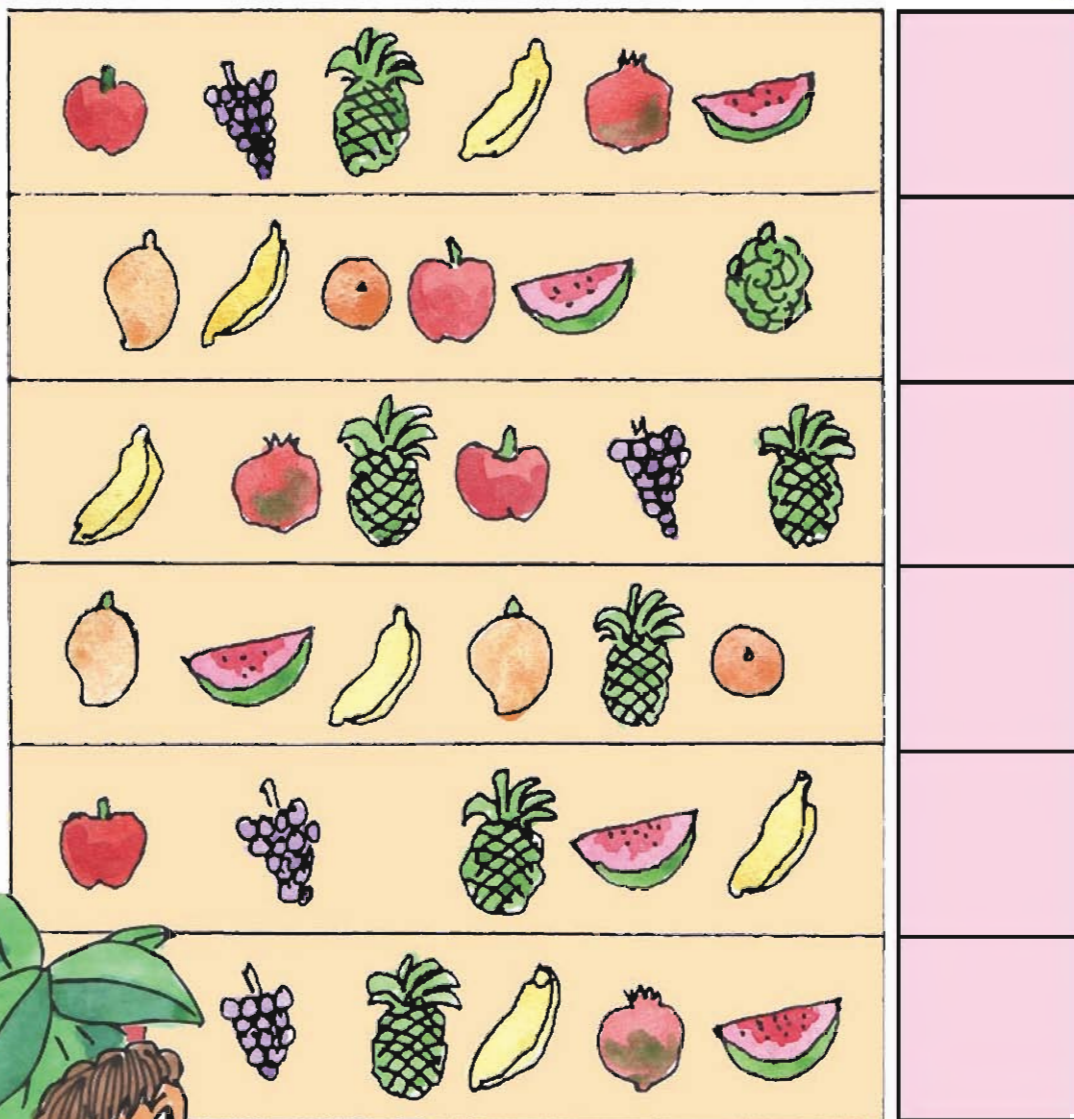
Activity :



**Colour :****Discussion :**



Puzzle :

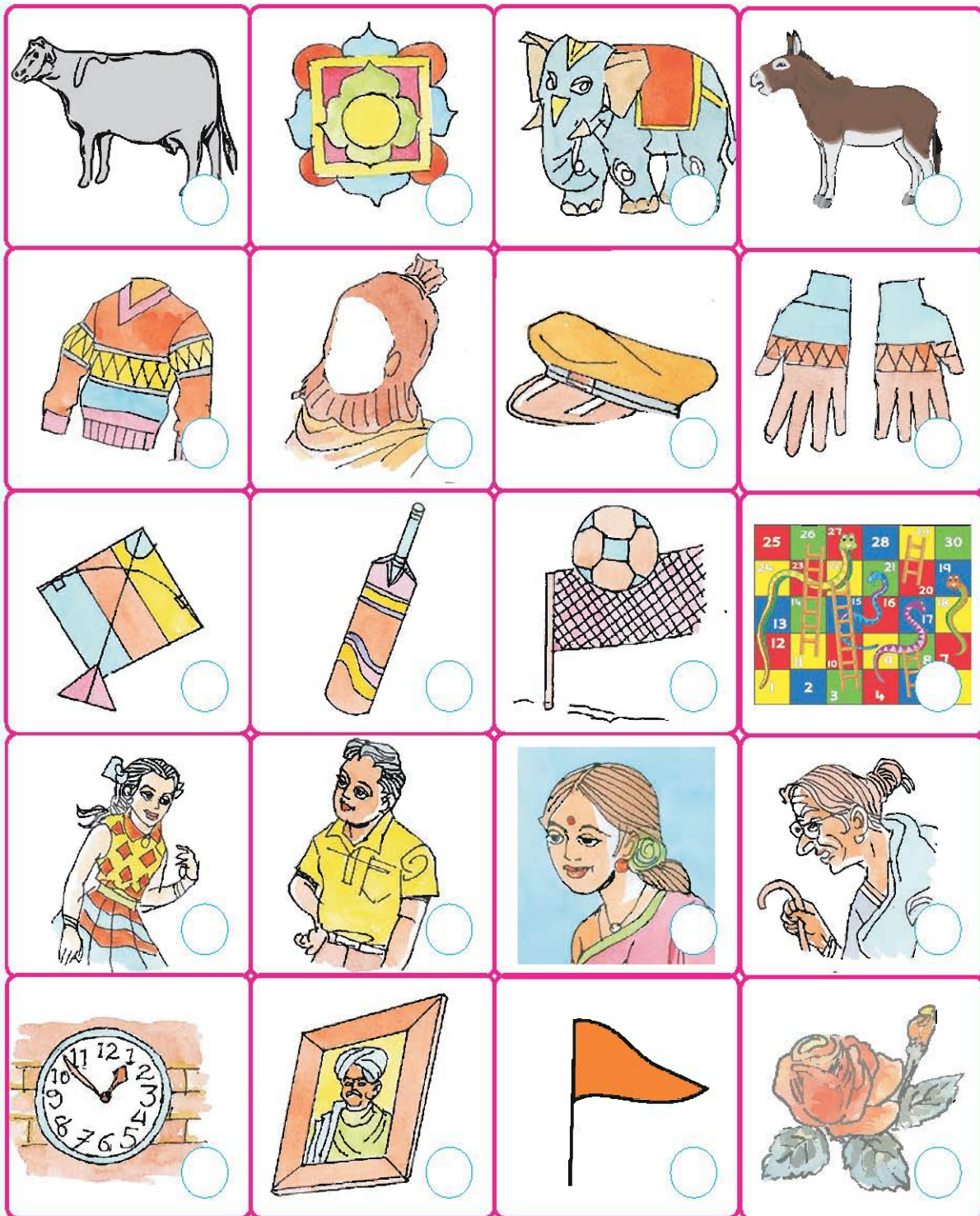




Observation :



Discussion :

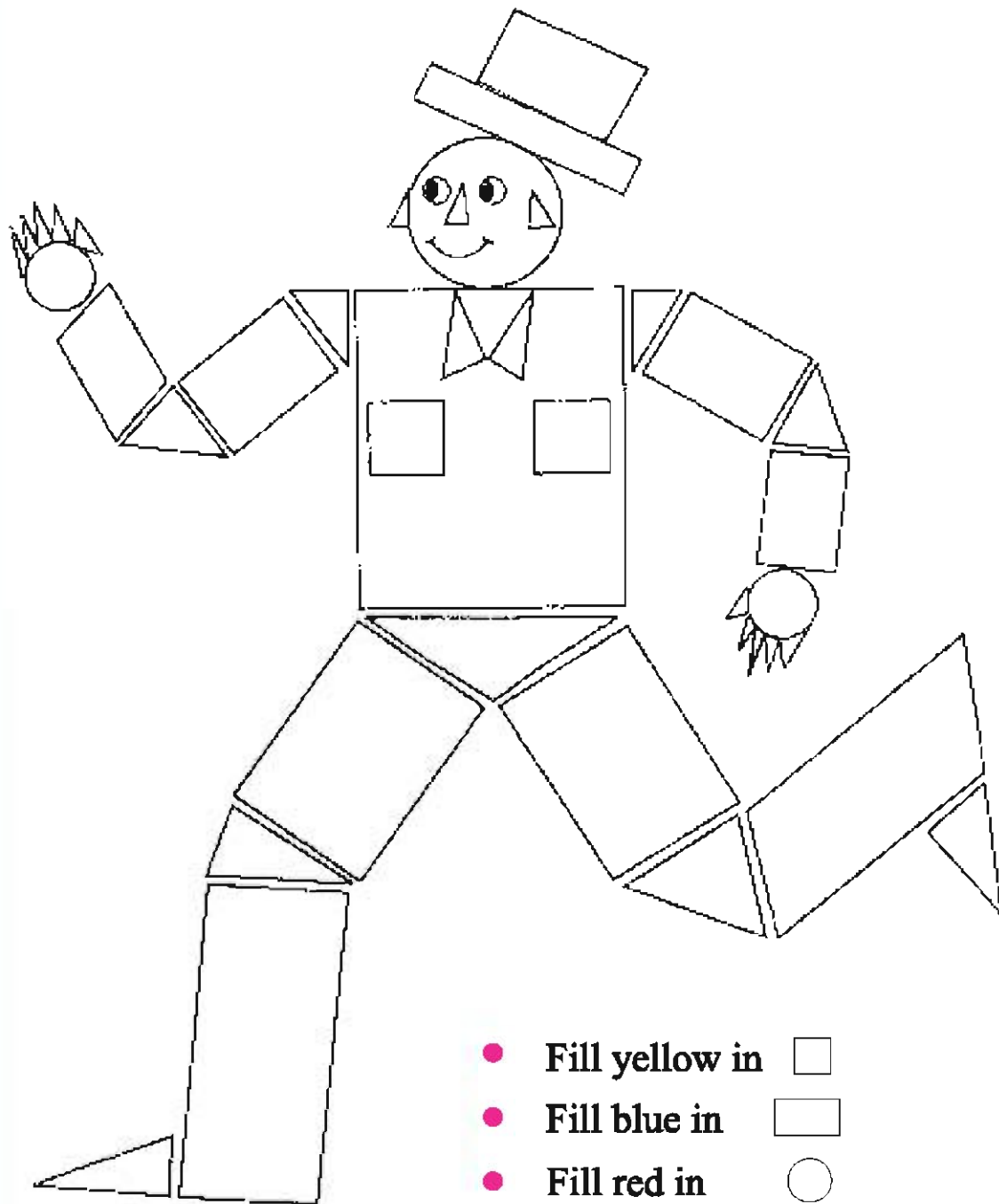




Colour :



Discussion :



- Fill yellow in 
- Fill blue in 
- Fill red in 
- Fill green in 

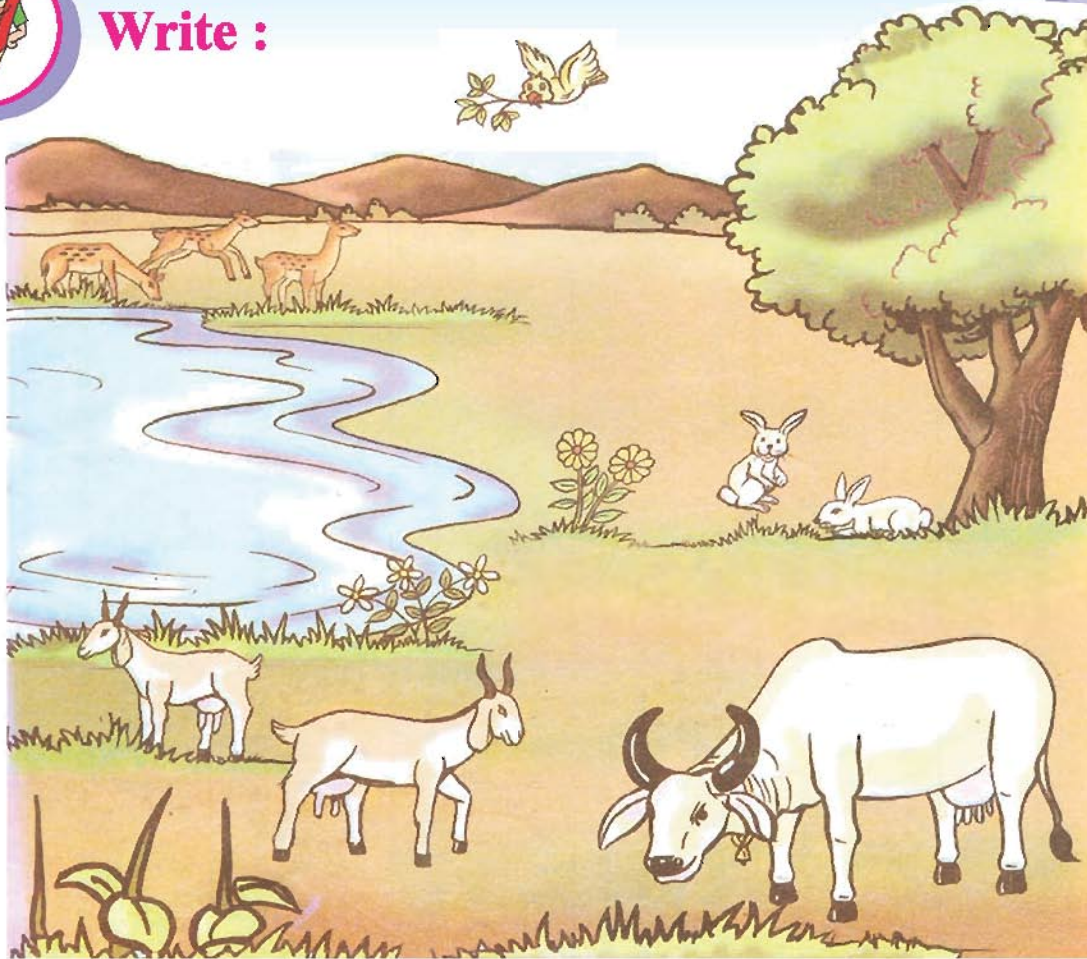


Observation :

	Ten 1 time means 10	10	1	10
	Ten 2 times means 20	10	2	20
	Ten 3 times means 30	10	3	30
	Ten 4 times means 40	10	4	40
	Ten 5 times means 50	10	5	50
	Ten 6 times means 60	10	6	60
	Ten 7 times means 70	10	7	70
	Ten 8 times means 80	10	8	80
	Ten 9 times means 90	10	9	90
	Ten 10 times means 100	10	10	100



Write :



To solve the puzzle with the help of Tables, Observe the picture and make use of tables to solve the puzzle : Write answer in the box ☐ with the help of the picture.

How many ears do 2 rabbits have ?

How many ears do 3 deer have ?

How many leaves do 3 *Bilipatra* have ?

How many petals do 3 flowers of 5 petals have ?

How many petals do 2 flowers of 10 petals have ?

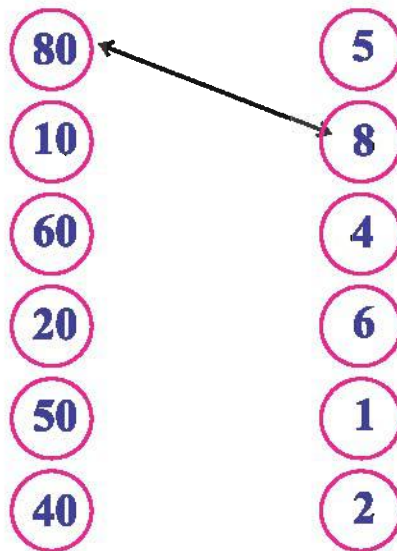
How many legs does 1 cow have ?

How many tails do 2 goats have ?

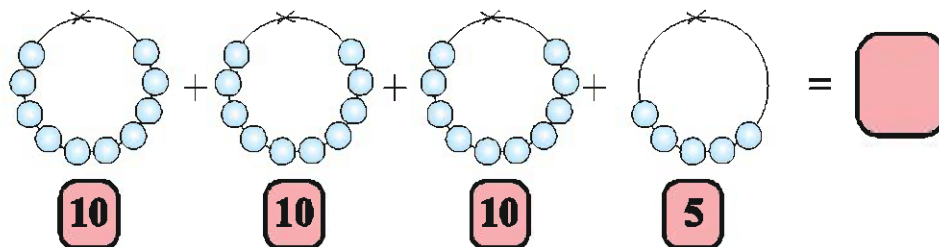
How many horns do 2 goats have ?



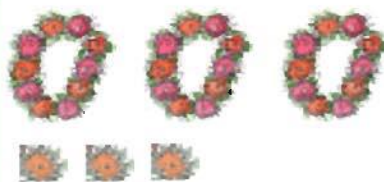
Puzzle : Number Group of 10 (tens)



Count :



Observe and Do :



3 tens 3 units



2 tens 2 units



1 ten 1 unit

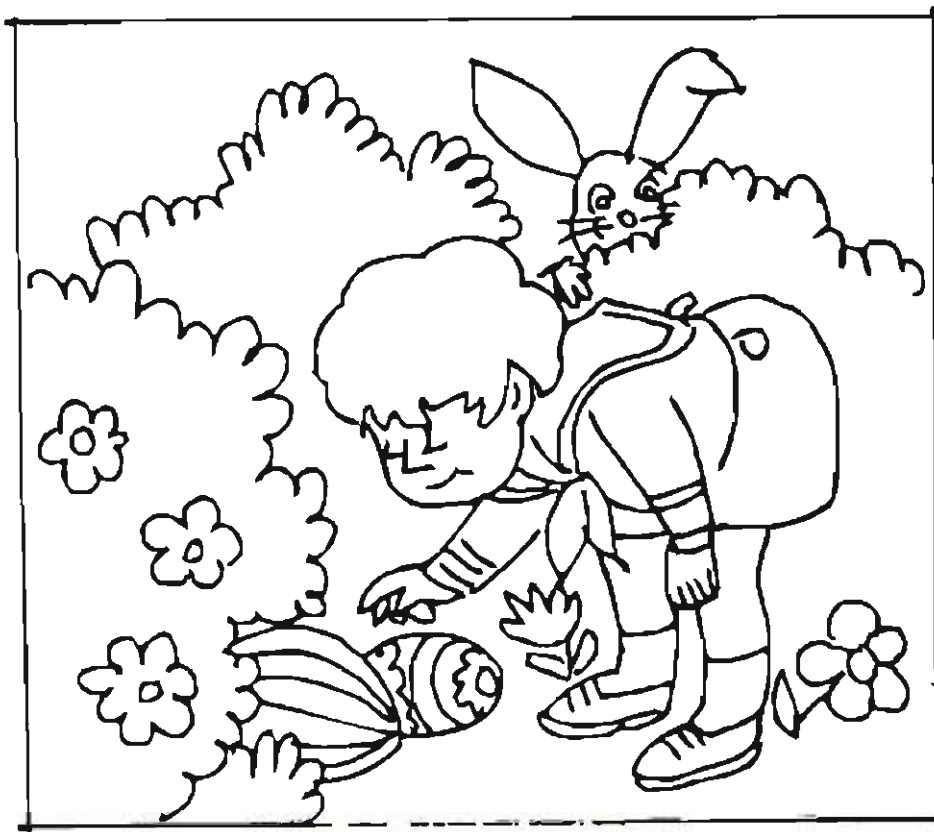
$$\begin{array}{r} 33 \\ - 22 \\ \hline 11 \end{array}$$

1 ten 1 unit

$$\begin{array}{r} 75 \\ - 33 \\ \hline 42 \end{array}$$

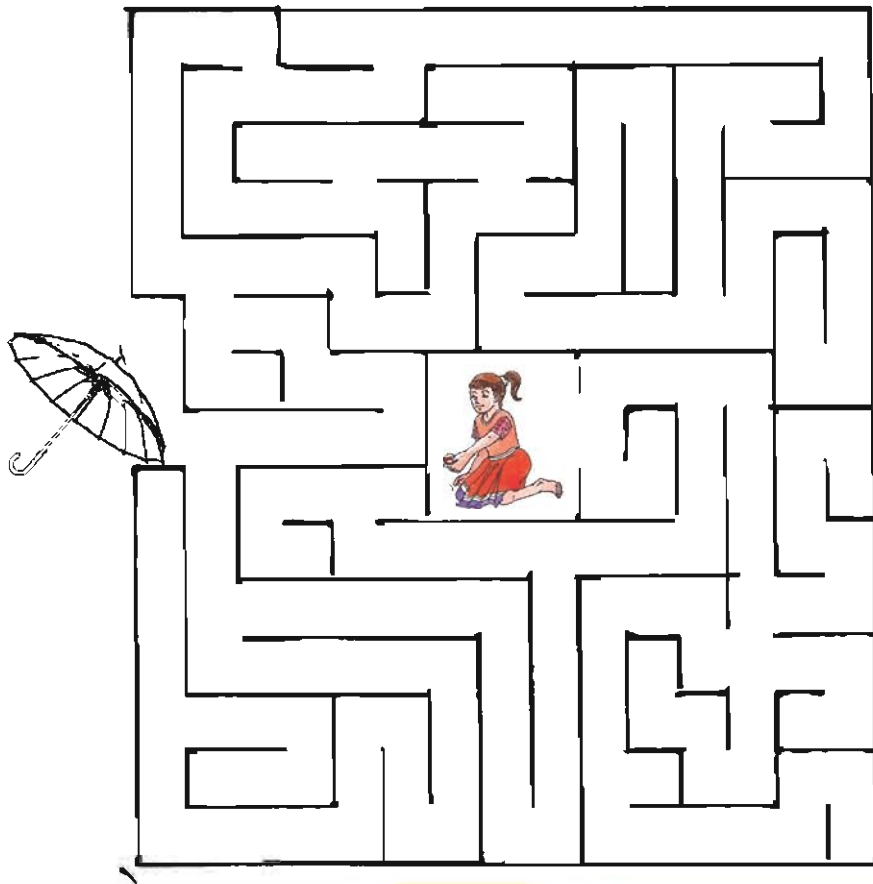
**Count :****Write :**

$\begin{array}{r} 46 \\ - 25 \\ \hline 21 \end{array}$	$\begin{array}{r} 82 \\ - 41 \\ \hline \end{array}$	$\begin{array}{r} 27 \\ - 13 \\ \hline \end{array}$	$\begin{array}{r} 79 \\ - 36 \\ \hline \end{array}$	$\begin{array}{r} 65 \\ - 23 \\ \hline \end{array}$
$\begin{array}{r} 95 \\ - 24 \\ \hline \end{array}$	$\begin{array}{r} 34 \\ - 21 \\ \hline \end{array}$	$\begin{array}{r} 58 \\ - 42 \\ \hline \end{array}$	$\begin{array}{r} 83 \\ - 31 \\ \hline \end{array}$	$\begin{array}{r} 38 \\ - 25 \\ \hline \end{array}$

**Colour :**

**Write :**

$\begin{array}{r} 86 \\ - 41 \\ \hline \end{array}$	$\begin{array}{r} 48 \\ - 23 \\ \hline \end{array}$	$\begin{array}{r} 23 \\ - 12 \\ \hline \end{array}$	$\begin{array}{r} 94 \\ - 32 \\ \hline \end{array}$	$\begin{array}{r} 75 \\ - 23 \\ \hline \end{array}$
$\begin{array}{r} 98 \\ - 43 \\ \hline \end{array}$	$\begin{array}{r} 53 \\ - 31 \\ \hline \end{array}$	$\begin{array}{r} 72 \\ - 61 \\ \hline \end{array}$	$\begin{array}{r} 86 \\ - 53 \\ \hline \end{array}$	$\begin{array}{r} 67 \\ - 23 \\ \hline \end{array}$

**Activity :**

**Write :**

$\begin{array}{r} 67 \\ - 27 \\ \hline \end{array}$	$\begin{array}{r} 43 \\ - 41 \\ \hline \end{array}$	$\begin{array}{r} 96 \\ - 23 \\ \hline \end{array}$	$\begin{array}{r} 76 \\ - 33 \\ \hline \end{array}$	$\begin{array}{r} 87 \\ - 57 \\ \hline \end{array}$
$\begin{array}{r} 55 \\ - 52 \\ \hline \end{array}$	$\begin{array}{r} 29 \\ - 26 \\ \hline \end{array}$	$\begin{array}{r} 51 \\ - 31 \\ \hline \end{array}$	$\begin{array}{r} 14 \\ - 12 \\ \hline \end{array}$	$\begin{array}{r} 34 \\ - 11 \\ \hline \end{array}$

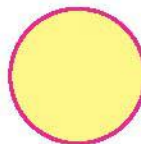
**Puzzle :**❖ **Magic of 6****Write :**

$\begin{array}{r} 6 \\ - 0 \\ \hline 6 \end{array}$	$\begin{array}{r} - \\ \hline 6 \end{array}$	$\begin{array}{r} 8 \\ - 2 \\ \hline 6 \end{array}$	$\begin{array}{r} - \\ \hline 6 \end{array}$	$\begin{array}{r} - \\ \hline 6 \end{array}$
$\begin{array}{r} 11 \\ - 5 \\ \hline 6 \end{array}$	$\begin{array}{r} - \\ \hline 6 \end{array}$	$\begin{array}{r} - \\ \hline 6 \end{array}$	$\begin{array}{r} - \\ \hline 6 \end{array}$	$\begin{array}{r} 10 \\ - \\ \hline 6 \end{array}$

**Puzzle :**

$$8 - 0 = 8$$

$$10 - \underline{\quad} = 8$$



$$12 - \underline{\quad} = 8$$

$$14 - \underline{\quad} = 8$$

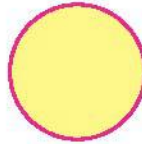
$$16 - \underline{\quad} = 8$$



Puzzles :

$$9 - 1 = 8$$

$$11 - \underline{\quad} = 8$$



$$13 - \underline{\quad} = 8$$

$$15 - \underline{\quad} = 8$$

$$17 - \underline{\quad} = 8$$



Write :



Colour :

1									
	12								20
								39	
51									
					66				
		83							
									100

	5	14	20	23	29	27	35	56
	9	3	18	4	7	55	90	64
	17	92	43	66	78	89	16	99

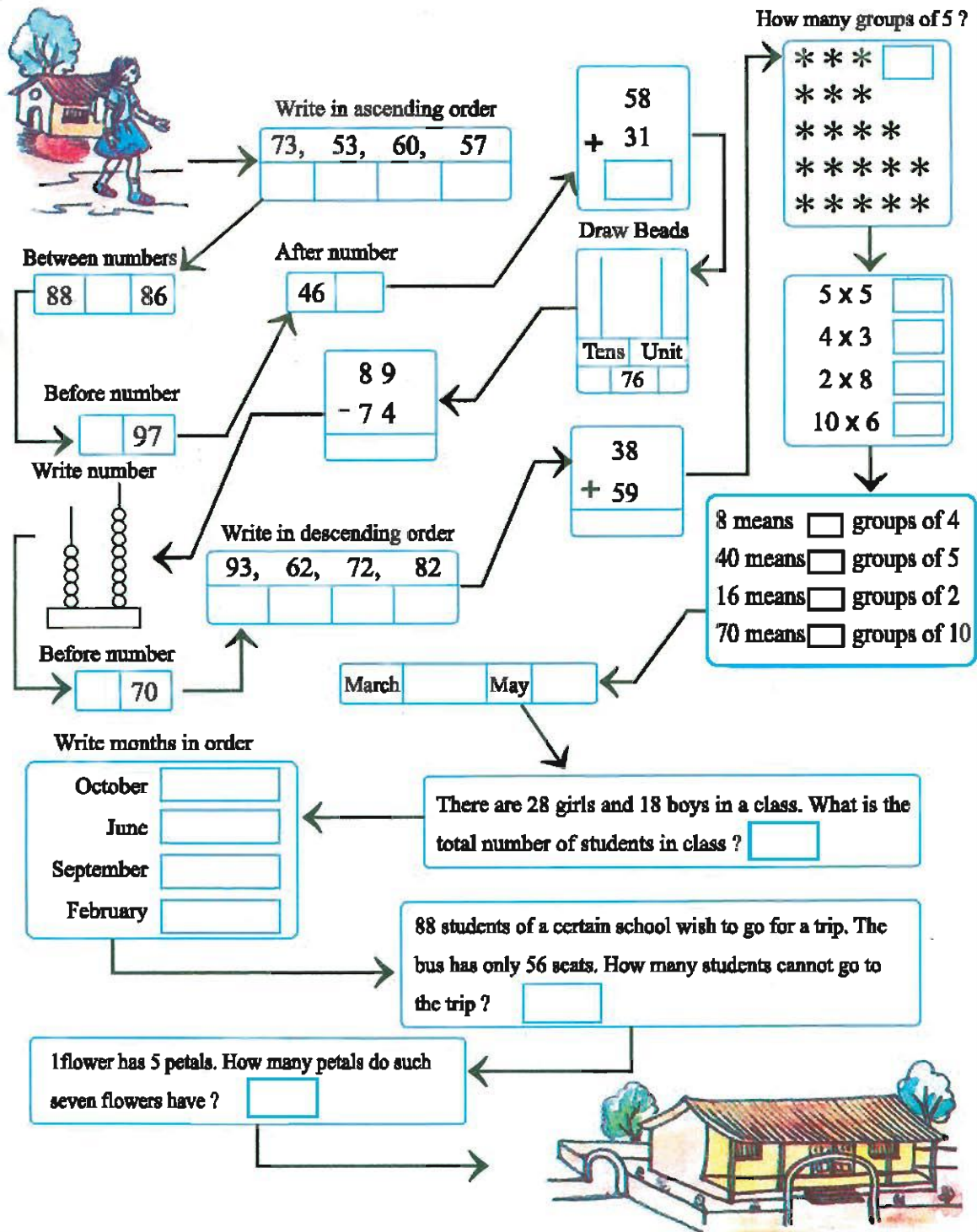
**Read :****Write :**

2	1	2	3	1	3	4	1	4	5	1	5	10	1	10
2	2	4	3	2	6	4	2	8	5	2	10	10	2	20
2	3	6	3	3	9	4	3	12	5	3	15	10	3	30
2	4	8	3	4	12	4	4	16	5	4	20	10	4	40
2	5	10	3	5	15	4	5	20	5	5	25	10	5	50
2	6	12	3	6	18	4	6	24	5	6	30	10	6	60
2	7	14	3	7	21	4	7	28	5	7	35	10	7	70
2	8	16	3	8	24	4	8	32	5	8	40	10	8	80
2	9	18	3	9	27	4	9	36	5	9	45	10	9	90
2	10	20	3	10	30	4	10	40	5	10	50	10	10	100

2	1	2								
			3	2	6					
						5	3	15		
					4	4	16			
								10	5	50
			3	8	24					
2	10	20								



Puzzle :



6. Let's Make Castle



Read :



Discussion :



Ritu, Anwar and Hetal,

Let's make a Castle.

Ritu makes a castle of sand,

Anwar builds a castle of straw,

Little Hetal with so much care,

Makes a castle with wet clay.

All so happy for their own castle,

But lo...! the wind has caused the haste,







Who has now a safe castle ?

Who has now a broken castle ?

**Write :****Discussion :**

--

**Read :****Write :**

	Weaver bird
	Rat
	Bee
	Sparrow
	Man
	Horse



Observation :



Read :



Discussion :



Some build a house, some build a nest,
Some make a hole.

Man builds a house. Birds make nest.

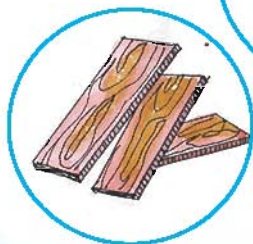
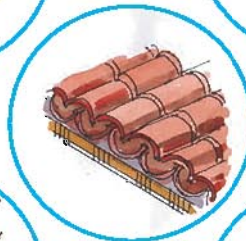
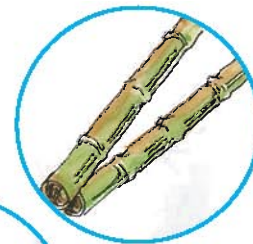
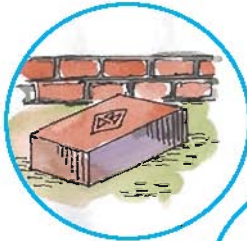
Ants make holes. A hut is a home.

A bungalow is also a home.

Of what material is a house made ?

Who lives in a house ?

Of what materials do birds build nest ?



- Which house is next to house number 62 ?
- Which house comes before house number 65 ?
- Which house is next to house number 67 ?
- Which house is between house number 64 and 66 ?
- Which house is between house number 68 and 70 ?



Write :

42	43	66	
35		78	
62		89	
53		72	
80	81		93
	34		84
	49		99
	60		94

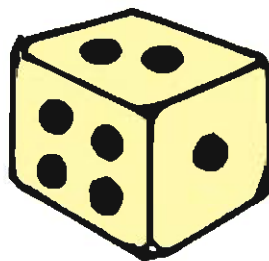
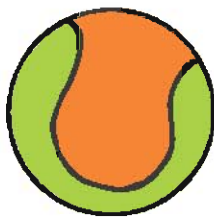


Write :

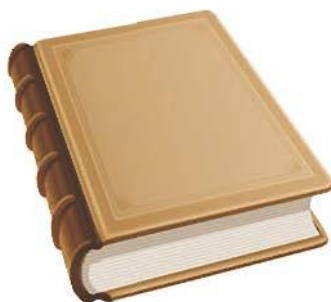
92	93	94	51		53
77		79	64		66
86		88	80		82
46		48	89		91



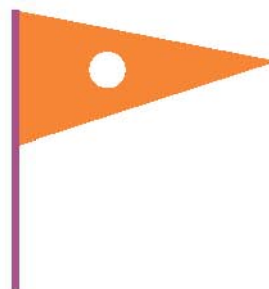
Observation :



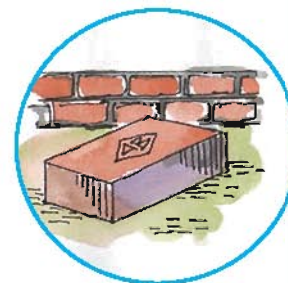
Think and Say :



Book



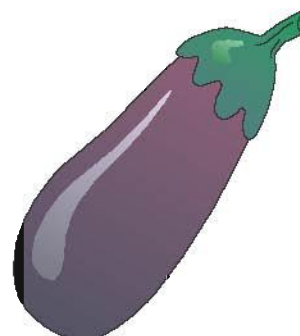
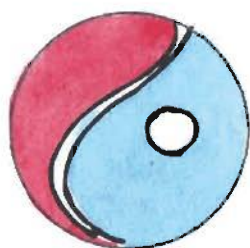
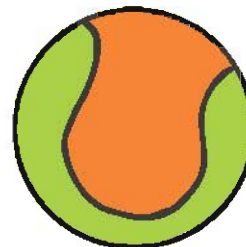
Flag



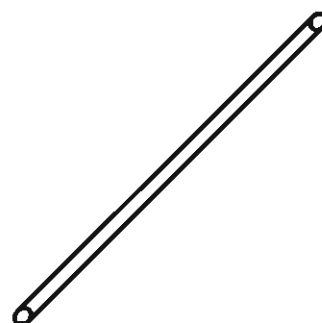
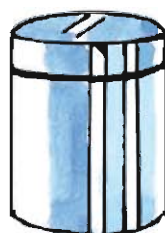
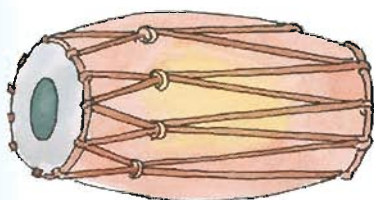
Brick



Discussion :



Activity :





Write :



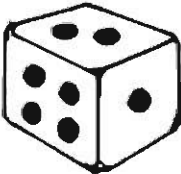
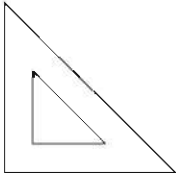
Ball					
Scale					
Book					
Pencil					



Colour :



Discussion :

7. At Sea Shore



Song :



Discussion :



Little kids on a sea-shore to play,
Little kids with sand to play,
To make a necklace, let's pick conch and shells,
Let's make a paperboat, in a slow pace to sail,
To challenge the tides, let's go to the sea-shore.
All together, let's make a sand-castle,
For little dolly doll, let's bring chair and table,
All at once jump and splash at the sea-shore.
The Sun-God turns up high in the sky,
All water shine up, evening colours fly,
It's a joy to watch lovely colours on the sea-shore.
Tiny fish would come to play off the shore,
We'll sing sweet songs and watch the tides,
Let's go to watch high tides on the sea-shore.

(Originally written in Gujarati by Mahendrabhai Joshi)

**Write :**

$$\begin{array}{r} 49 \\ +18 \\ \hline \end{array}$$

$$\begin{array}{r} 52 \\ +39 \\ \hline \end{array}$$

$$\begin{array}{r} 23 \\ +39 \\ \hline \end{array}$$

$$\begin{array}{r} 46 \\ +27 \\ \hline \end{array}$$

$$\begin{array}{r} 61 \\ +29 \\ \hline \end{array}$$

$$\begin{array}{r} 53 \\ +27 \\ \hline \end{array}$$

$$\begin{array}{r} 14 \\ +68 \\ \hline \end{array}$$

$$\begin{array}{r} 19 \\ +72 \\ \hline \end{array}$$

$$\begin{array}{r} 64 \\ +18 \\ \hline \end{array}$$

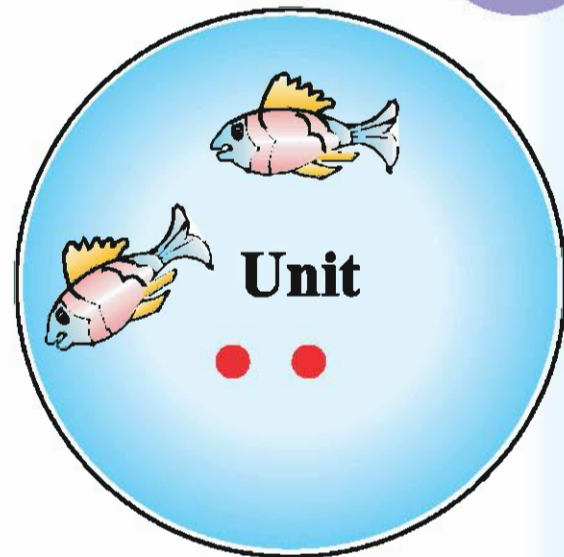
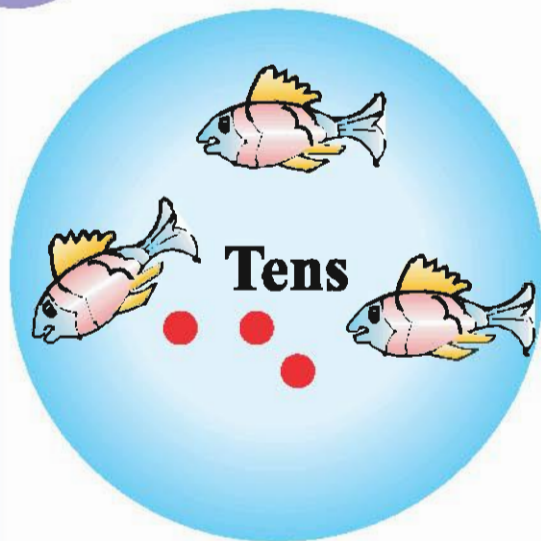
**Activity :**

- **Paper Boat :**





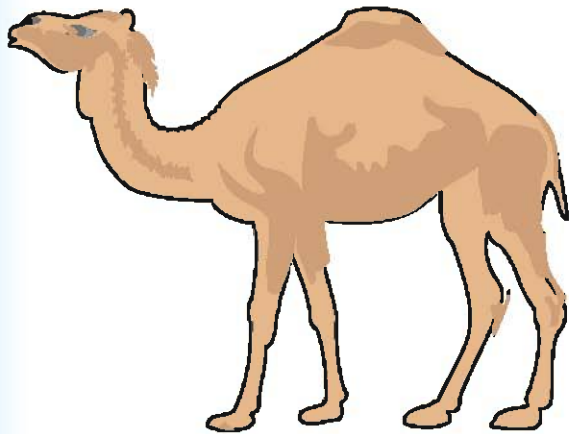
Indoor Game :



Tens	Units	Number
3	2	32



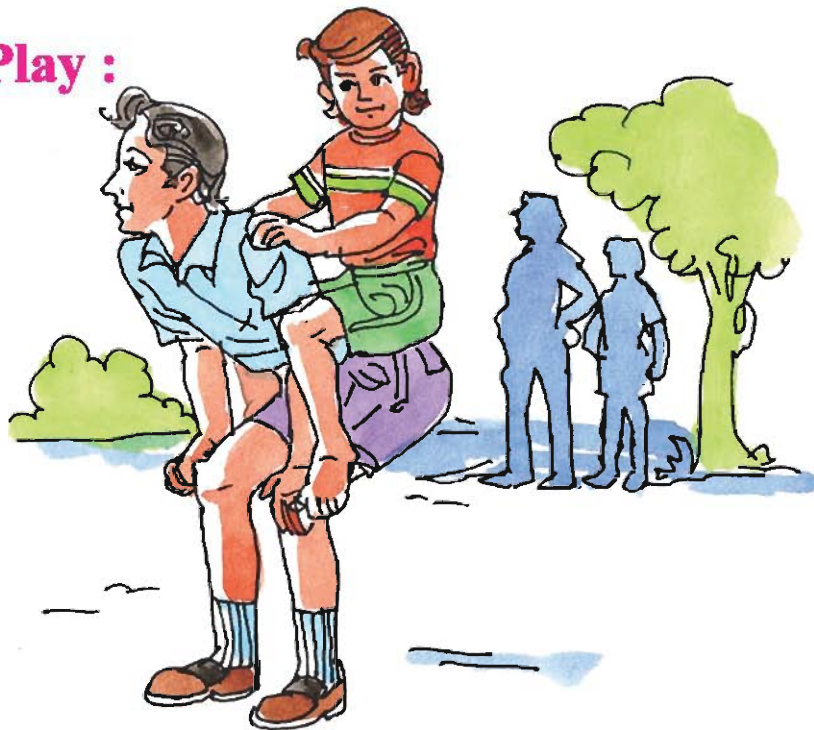
Discussion :



	Lives in Water	Swims in Water	Carries load	Can fly	Can swim	Can run
Camel						
Fish						

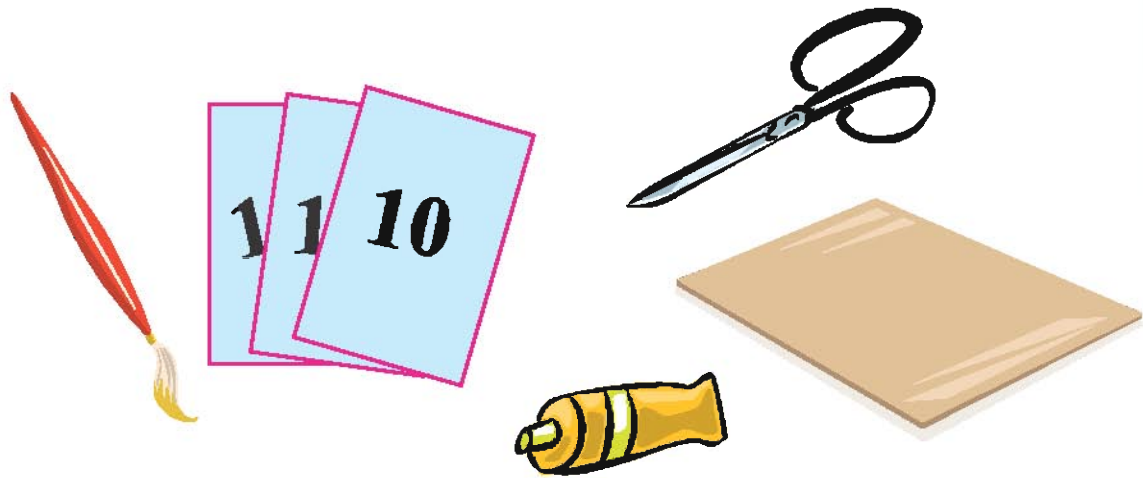


Role Play :

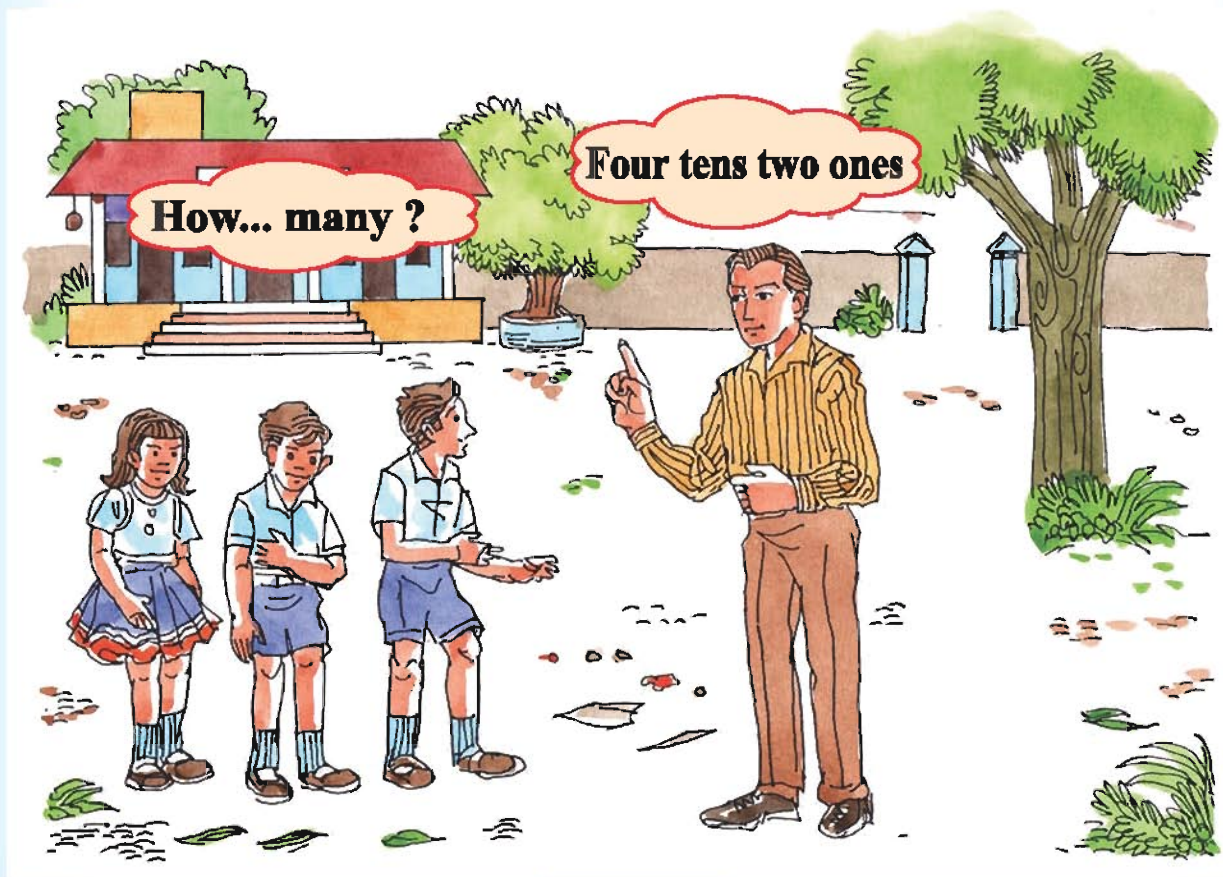


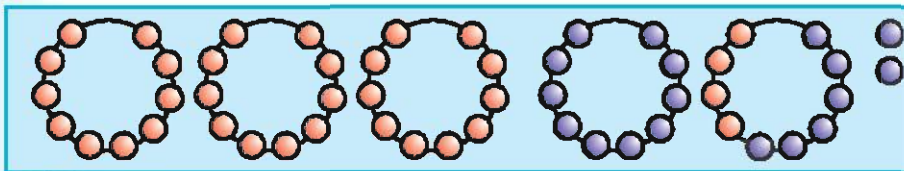
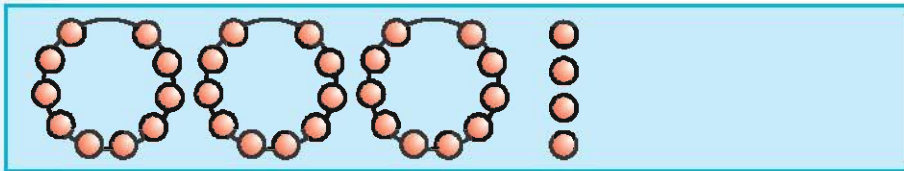


Activity :



Outdoor Game :



**Activity :****Discussion :****34****+ 18****52****Observation :**

There were 17 chocolates in a jar. We added 6 more chocolates in it. How many chocolates will be there in the jar now ?

$$\begin{array}{r}
 \overset{1}{\curvearrowright} 17 \\
 + \quad 6 \\
 \hline
 \textcircled{1} 3 \\
 \hline
 23 \\
 \hline
 \boxed{23}
 \end{array}$$

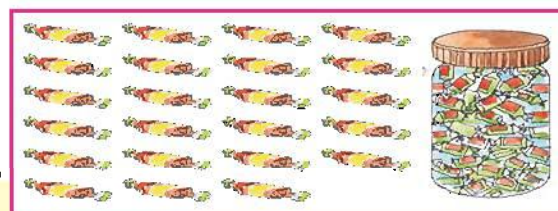
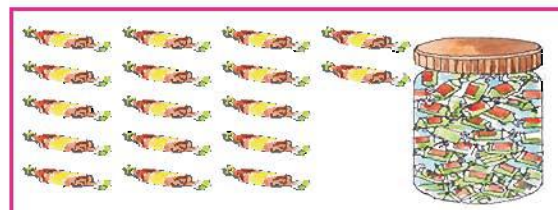
Chocolates

Chocolates






Chocolates

Chocolates

Chocolates



**Observation :****Discussion :**

 36	18	17	49	 87	 25	28	67	18	73
20	 68	27	75	51	56	15	 17	23	19

$$\begin{array}{c} \text{Blue Triangle} + \text{Yellow Circle} \\ 36 + 27 \end{array}$$

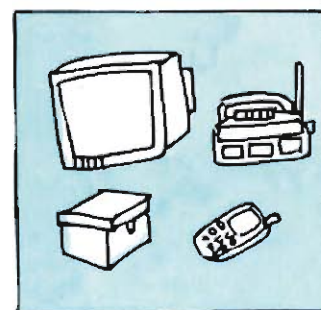
1

36
+ 27

63

$$\begin{array}{c} \text{Blue Triangle} + \text{Yellow Square} \\ 25 + 56 \end{array}$$

25
+ 56

**Puzzle :**

**Write :**

$$\begin{array}{r} 19 \\ +18 \\ \hline \end{array}$$

$$\begin{array}{r} 22 \\ +39 \\ \hline \end{array}$$

$$\begin{array}{r} 23 \\ +19 \\ \hline \end{array}$$

$$\begin{array}{r} 36 \\ +27 \\ \hline \end{array}$$

$$\begin{array}{r} 61 \\ +29 \\ \hline \end{array}$$

$$\begin{array}{r} 53 \\ +27 \\ \hline \end{array}$$

$$\begin{array}{r} 14 \\ +68 \\ \hline \end{array}$$

$$\begin{array}{r} 19 \\ +72 \\ \hline \end{array}$$

$$\begin{array}{r} 65 \\ +18 \\ \hline \end{array}$$

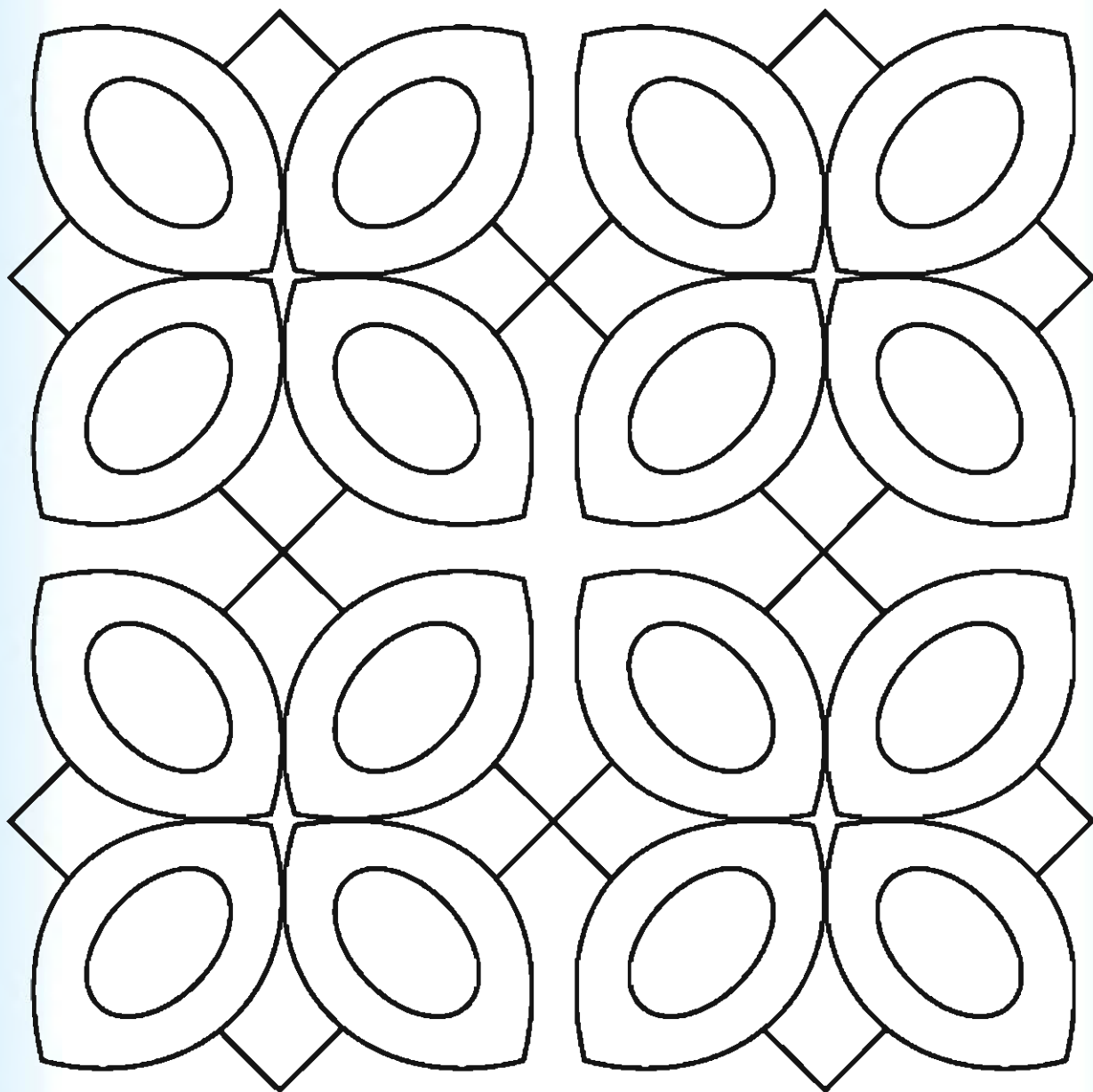
$$\begin{array}{r} 54 \\ +37 \\ \hline \end{array}$$

$$\begin{array}{r} 36 \\ +54 \\ \hline \end{array}$$

$$\begin{array}{r} 75 \\ +17 \\ \hline \end{array}$$



Colour :





Puzzle :

Tens

Units

5

4

54

6

3

63

7

3

9

2

4

5

8

4

8

3

7

5

8. Around us



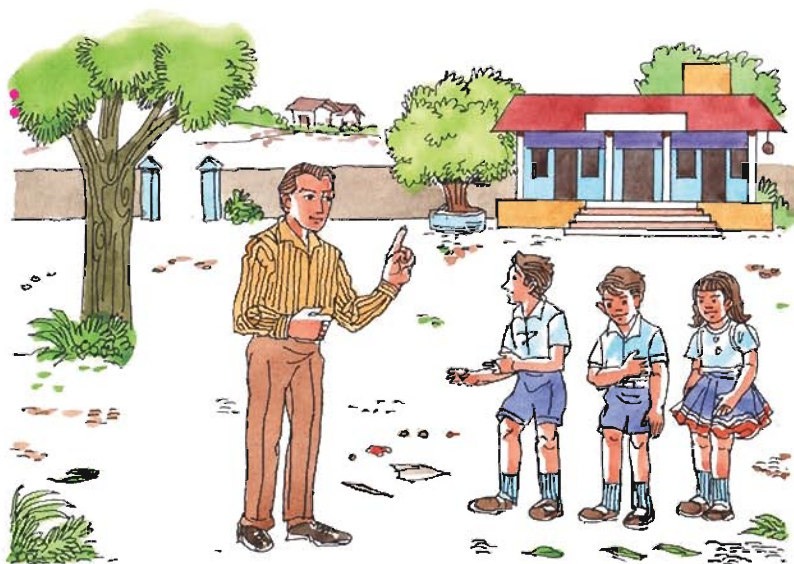
Observation :



Think and Say :



Discussion :





Read :

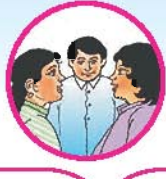


Role Play :





Colour :



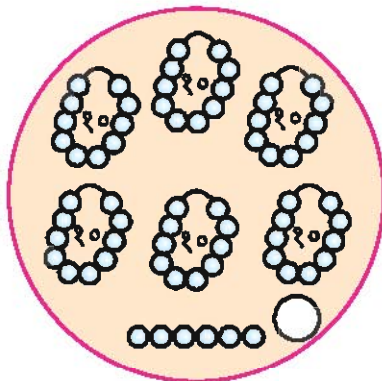
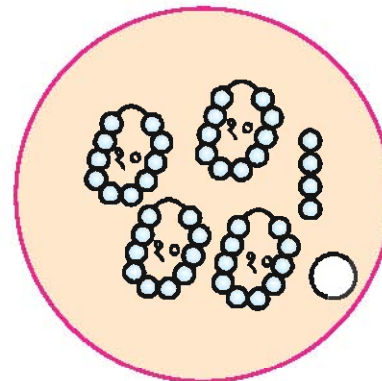
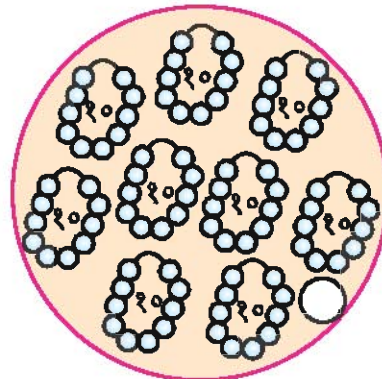
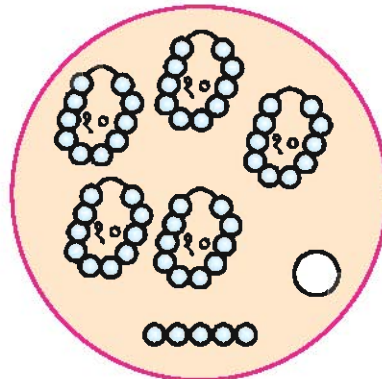
Discussion :

44

90

55

66



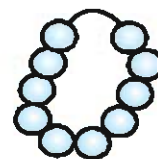
Puzzle :



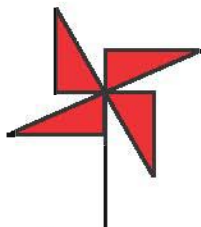
3 rupees



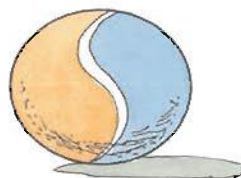
10 rupees



7 rupees



5 rupees



10 rupees



20 rupees



Puzzle :

14

52

45

34

28

63

$$\begin{array}{r} \square \\ + 14 \\ + 18 \\ \hline 60 \end{array}$$

$$\begin{array}{r} 14 \\ + \square \\ + \square \\ \hline 94 \end{array}$$

$$\begin{array}{r} \square \\ + 63 \\ \hline 91 \end{array}$$

$$\begin{array}{r} \square \\ - 14 \\ \hline \end{array}$$

$$\begin{array}{r} 45 \\ - \square \\ \hline 11 \end{array}$$

$$\begin{array}{r} \square \\ + \square \\ \hline 86 \end{array}$$



Colour :



**Count :****Discussion :**

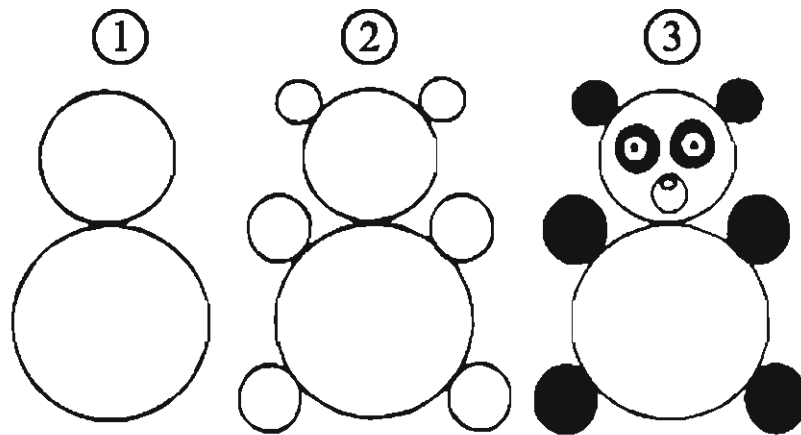
$$20 = 10 + 10$$

$$\Rightarrow 10 + 5 + 5$$

$$\Rightarrow 5 + 5 + 5 + 5$$

$$\Rightarrow 10 + 5 + 2 + 2 + 1$$

$$\Rightarrow 5 + 5 + 5 + 2 + 2 + 1$$

**Puzzle :**

$$30 = 10 + 10 + 10$$


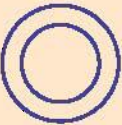
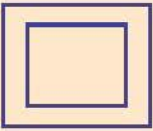



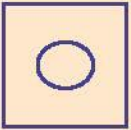
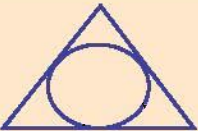

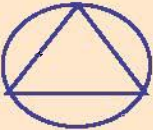

$$\Rightarrow \underline{\hspace{15cm}}$$

$$\Rightarrow \underline{\hspace{15cm}}$$

$$\Rightarrow \underline{\hspace{15cm}}$$

$$\Rightarrow \underline{\hspace{15cm}}$$

**Puzzle :**

$23 + 18 =$		55	
$14 + 50 =$		60	
$36 + 47 =$		41	
$23 + 20 =$		64	
$19 + 36 =$		90	
$31 + 29 =$		83	
$25 + 25 =$		43	
$60 + 30 =$		92	
$75 + 17 =$		50	



Colour :

