

ગુજરાત શૈક્ષણિક સંશોધન અને તાલીમ પરિષદ, ગાંધીનગરના પત્ર-કમાંક
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

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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.

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Identification of specific icons used in the book



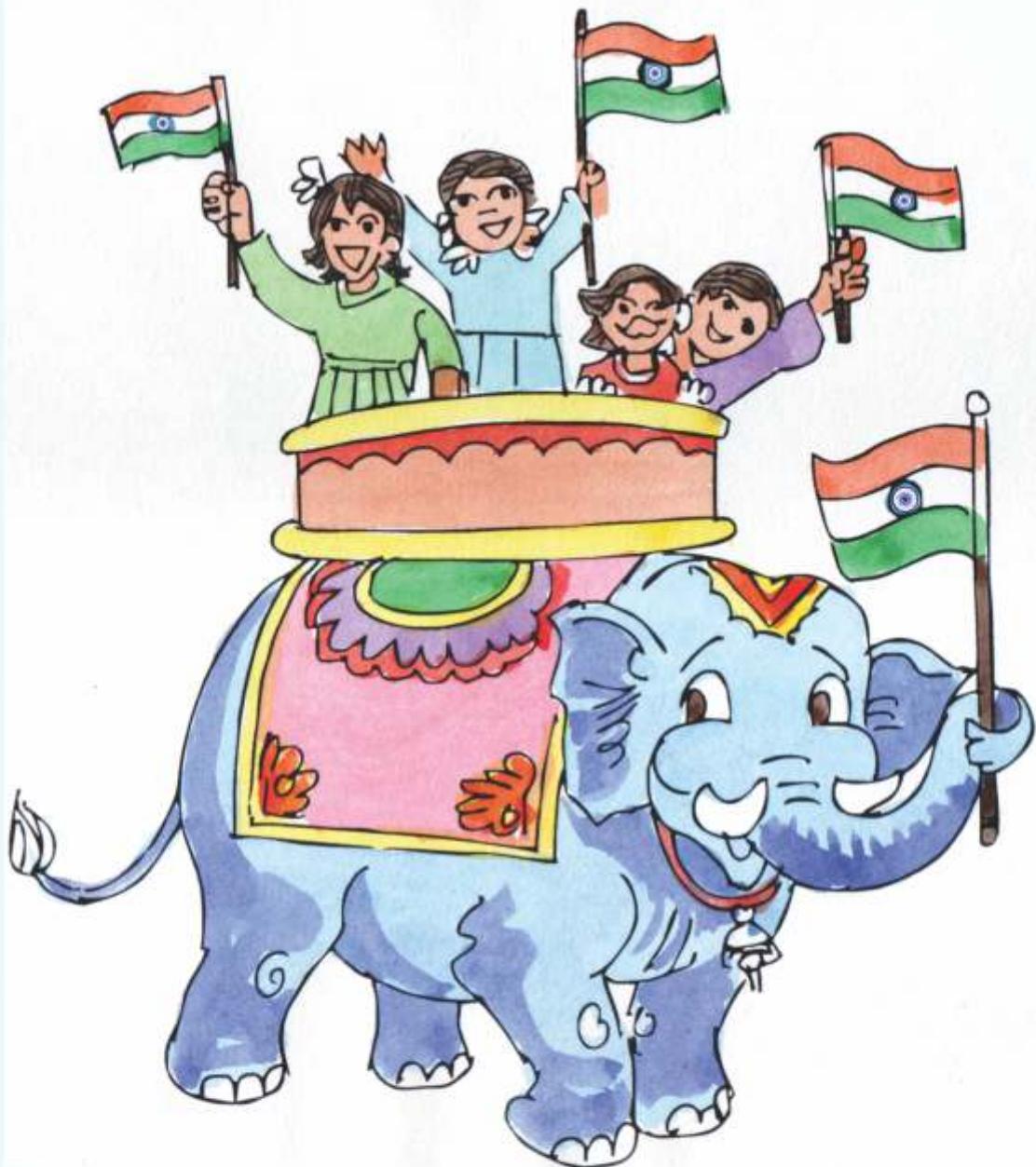
1. Riding an Elephant



Story :

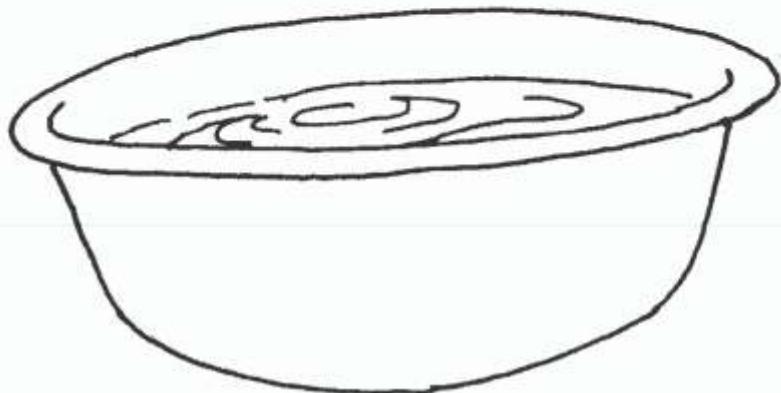


Discussion :

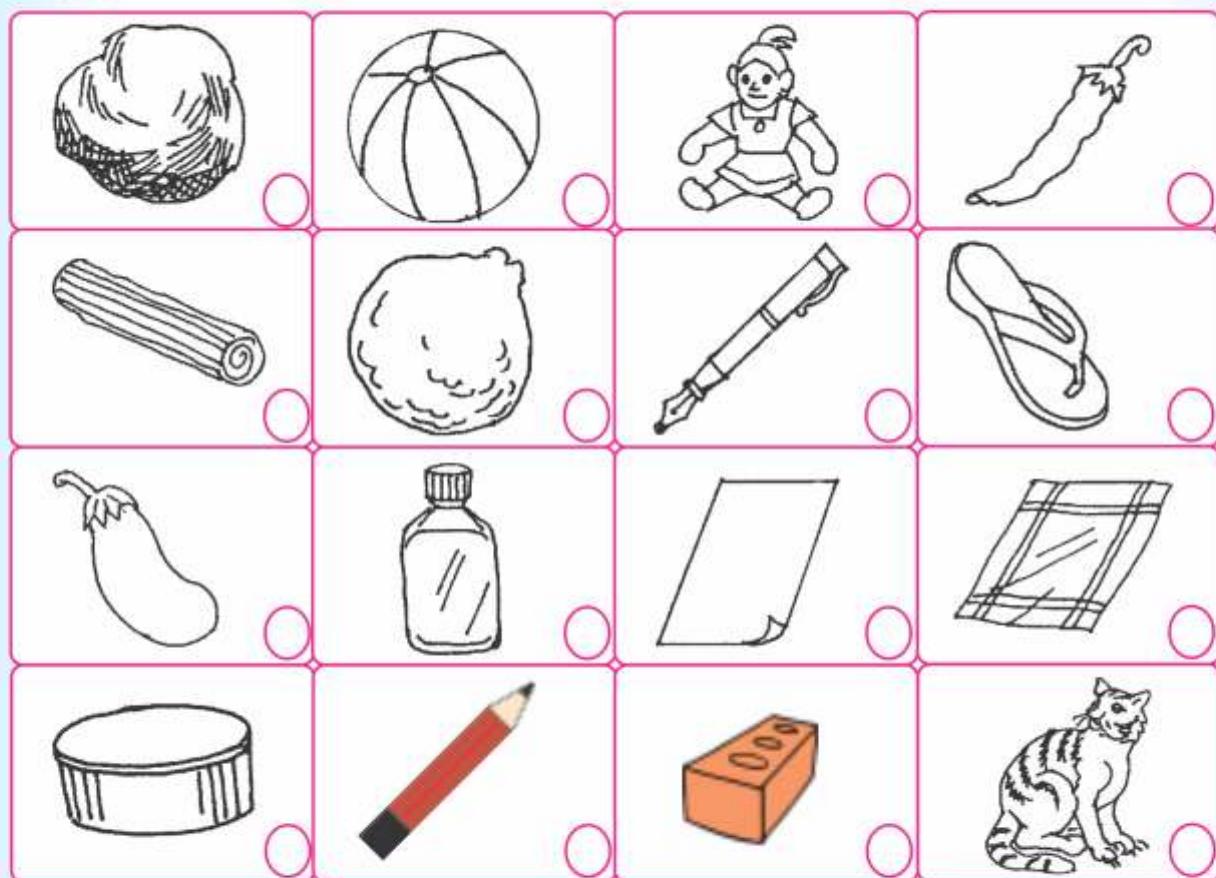




Activity :



Puzzle :





Count :



Write :

$$\begin{array}{c} \text{flower} \\ \text{flower} \\ \text{flower} \\ \text{flower} \end{array} = 4$$

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

$$\begin{array}{|c|c|c|} \hline \textcolor{pink}{\text{flower}} & \textcolor{pink}{\text{flower}} & \textcolor{pink}{\text{flower}} \\ \hline \textcolor{pink}{\text{flower}} & \textcolor{pink}{\text{flower}} & \textcolor{pink}{\text{flower}} \\ \hline \end{array} = 12$$

$$\begin{array}{cccc} \text{flower} & \text{flower} & \text{flower} & \text{flower} \\ \text{flower} & \text{flower} & \text{flower} & \text{flower} \end{array} = \bigcirc$$

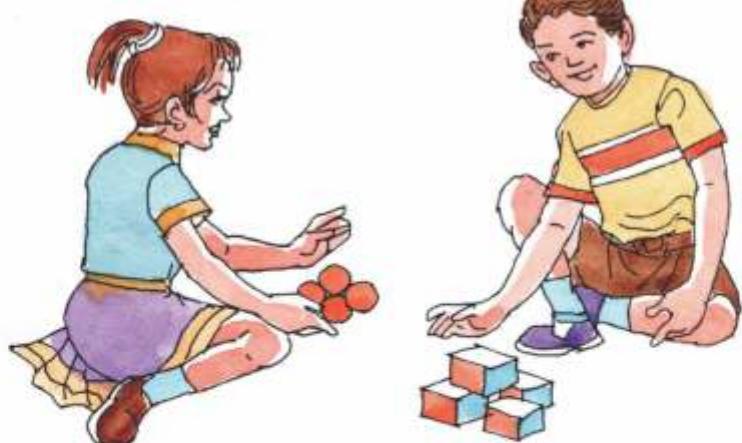
$$\begin{array}{|c|c|c|c|c|} \hline \text{Flowers} & \text{Flowers} & \text{Flowers} & \text{Flowers} & \text{Flowers} \\ \hline \end{array} = \bigcirc$$

$$\text{_____} = \bigcirc$$

 $= \bigcirc$



Indoor Game :





Puzzle :

4

One time

4

4

Two times

4

Four times

Sixteen

4

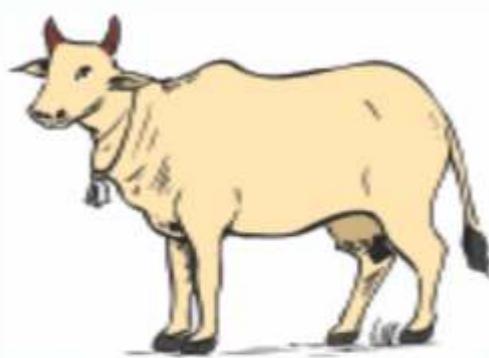
Six times

4

Ten times

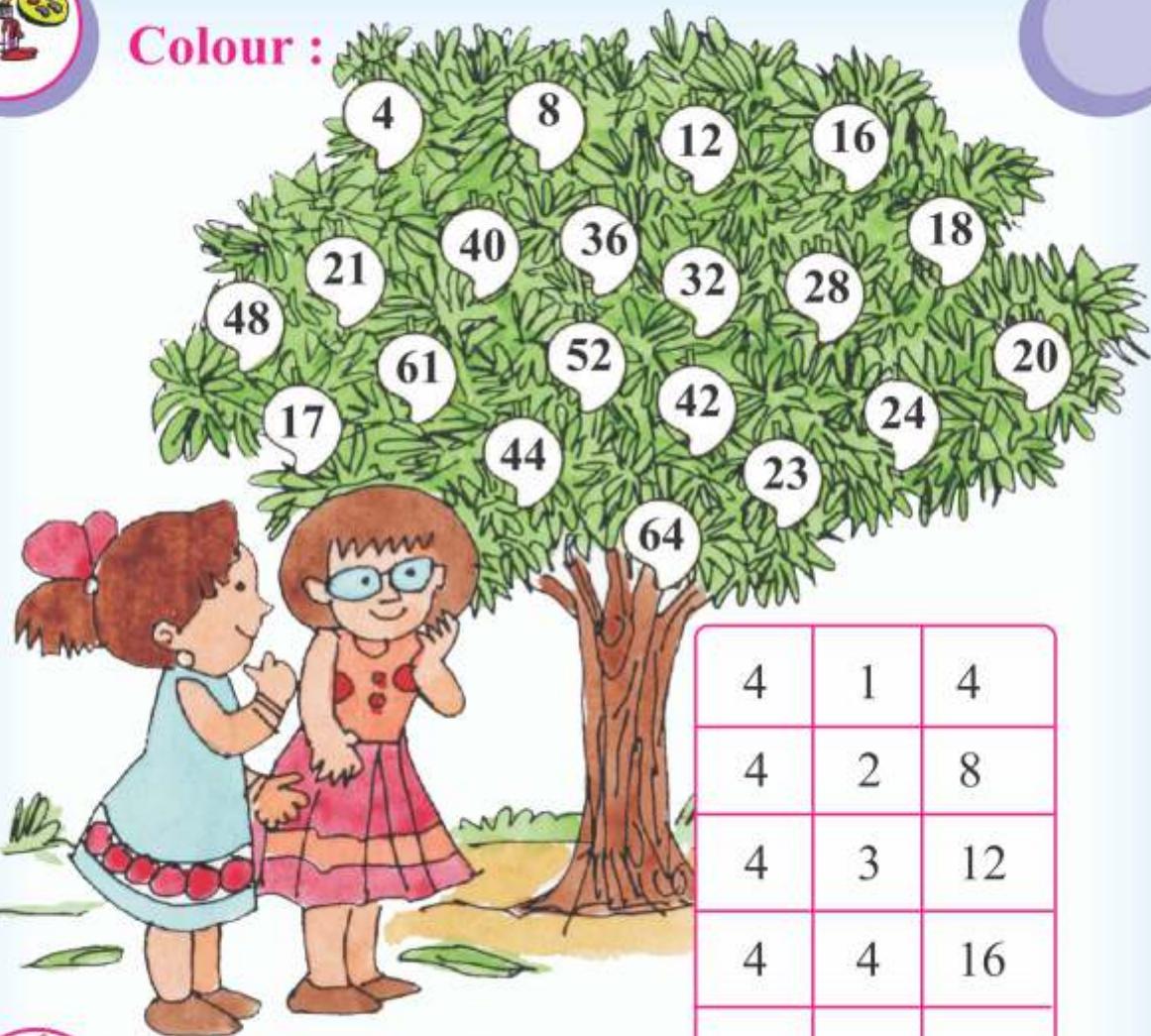


Think and Say :



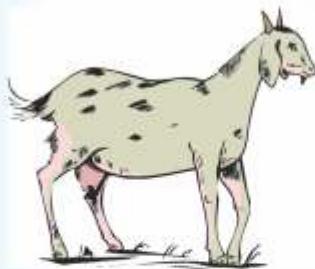


Colour :



Puzzle :

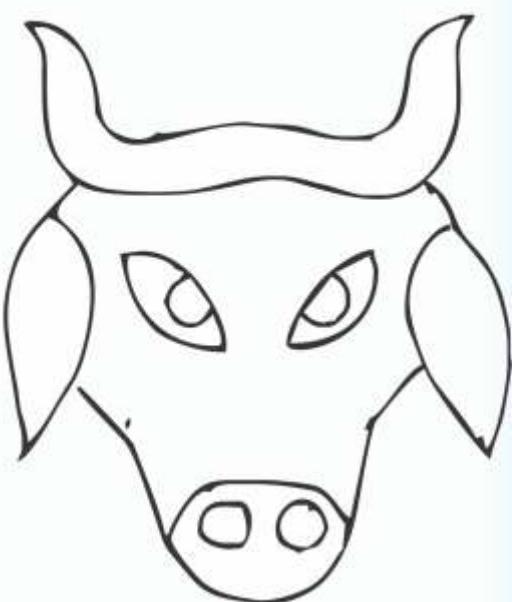
Legs of two goats ?



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



3



4



5



1 2

8

15

23

29

44

50

58

5

11

19

25

38

7

70



Activity :



Write :

38	39	40	41	42	43	44	45	46	47	48	49	50
----	----	----	----	----	----	----	----	----	----	----	----	----

37

36

35

34

33

32

31

30

29

28

27

26

25

5	1	5
	2	
5		15
	4	
5		
	6	
		35
5		
	9	
		50

Five	One	Five
Five		
Five		
Five		
Five	Six	
Five		
Five		Forty
Five		
Five		

1

2

3

4

5

6

7

8

9

10

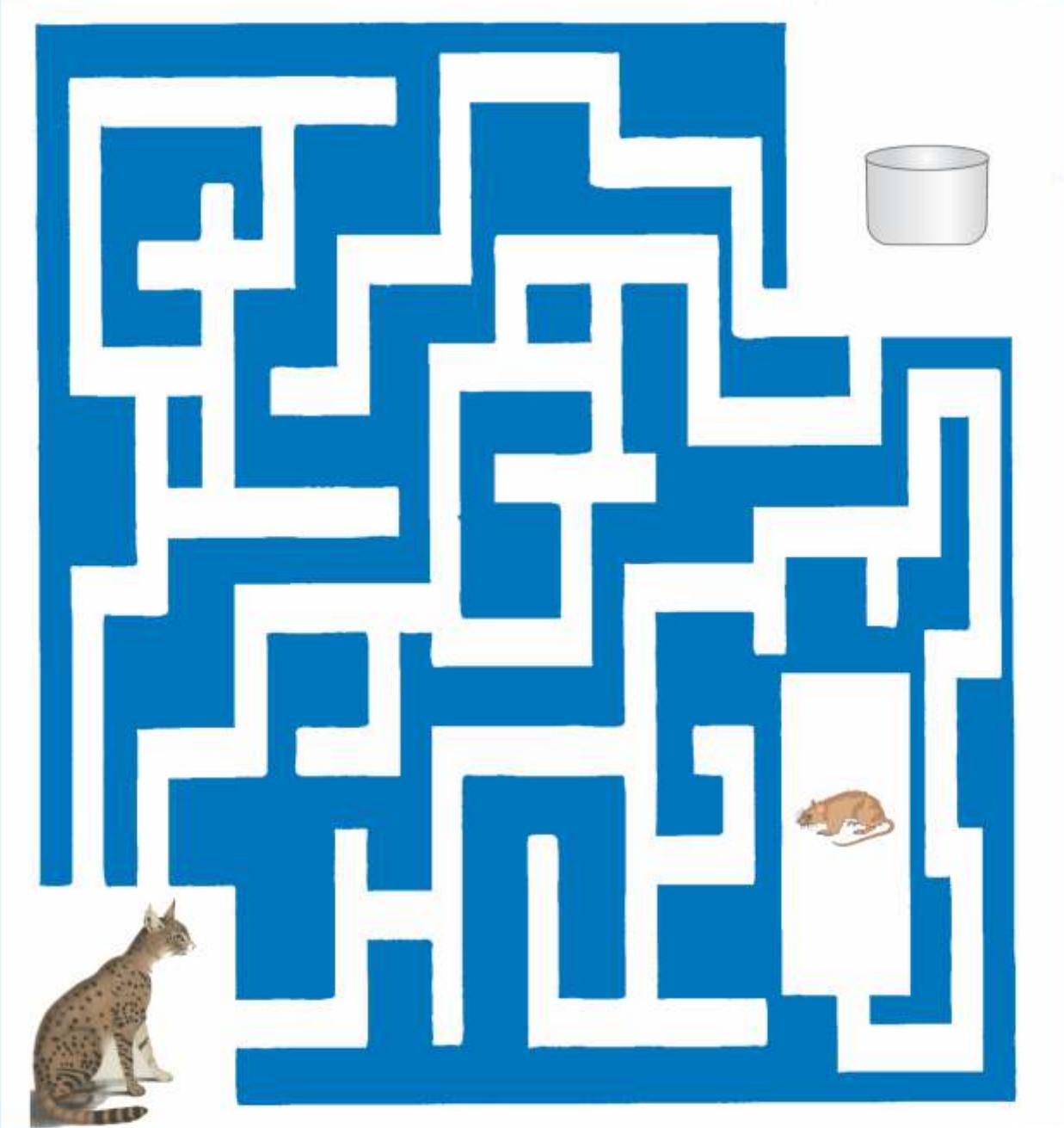
11

12

13



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 :

$$\begin{array}{r} 21 \\ + 34 \\ \hline \end{array}$$

$$\begin{array}{r} 58 \\ + 10 \\ \hline \end{array}$$

$$\begin{array}{r} 52 \\ + 17 \\ \hline \end{array}$$

$$\begin{array}{r} 41 \\ + 23 \\ \hline \end{array}$$

$$\begin{array}{r} 30 \\ + 40 \\ \hline \end{array}$$

68

69

55

70

64



Observe and Do :

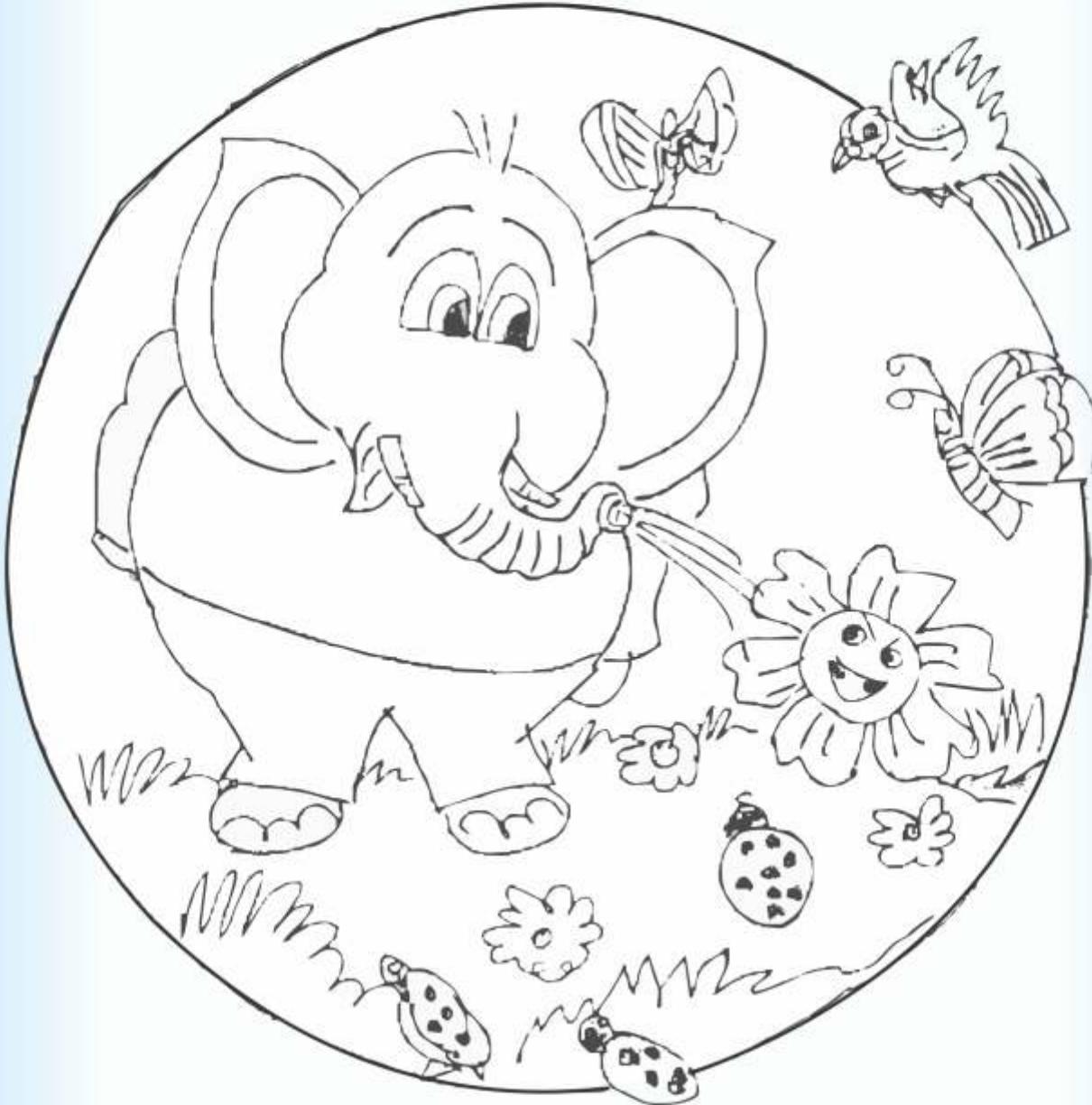




Colour :



Write :



Elephant



Puzzle :

9

7	5	$- 2$	18
$+ 2$	$+ \underline{\quad}$	$- \underline{\quad}$	$- \underline{\quad} 9$
$\underline{\quad}$	$\underline{\quad}$	$\underline{\quad}$	$\underline{\quad}$

15

17	$+ \underline{\quad}$	$- \underline{\quad}$	3
$- 2$	15	$\underline{\quad}$	$+ \underline{\quad}$
$\underline{\quad}$	$\underline{\quad}$	$\underline{\quad}$	$\underline{\quad}$

18

9	$+ 7$	$- \underline{\quad}$	58
$+ 9$	$\underline{\quad}$	$\underline{\quad}$	$- \underline{\quad}$
18	$\underline{\quad}$	$\underline{\quad}$	$\underline{\quad}$

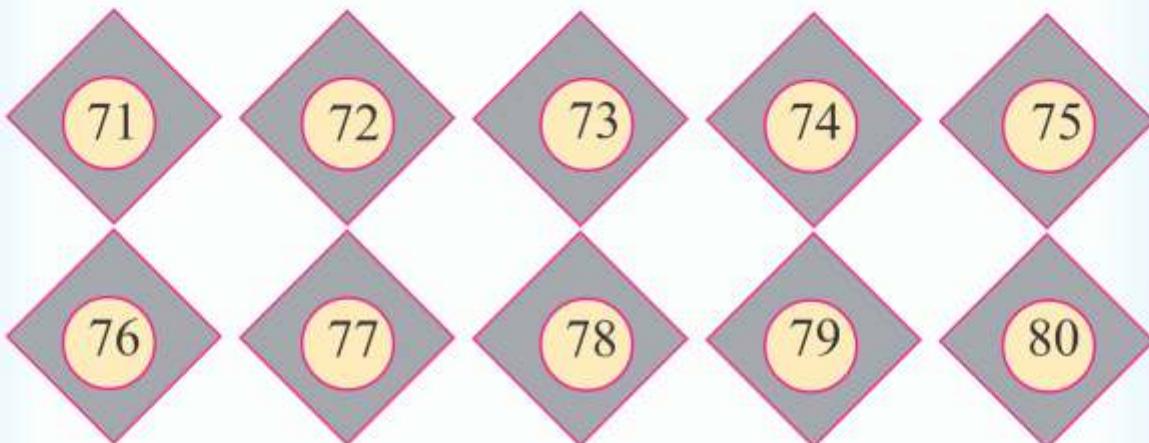
2. We like...



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

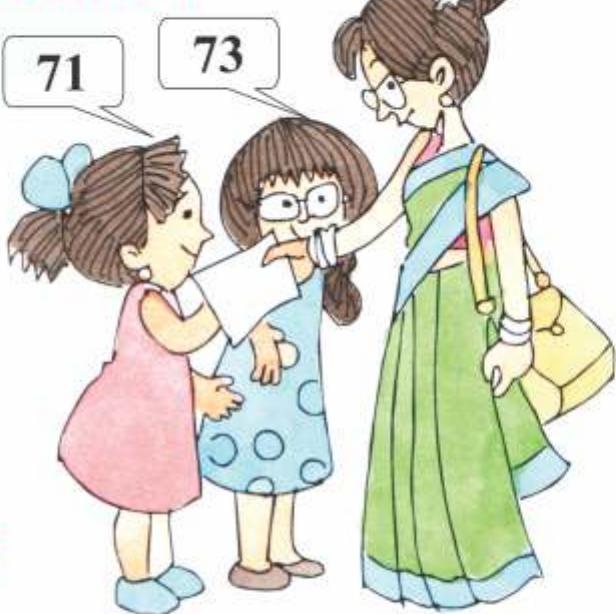
73

74

75



Outdoor Game :



Colour :



Seventy four



Seventy five



Seventy two



Seventy one

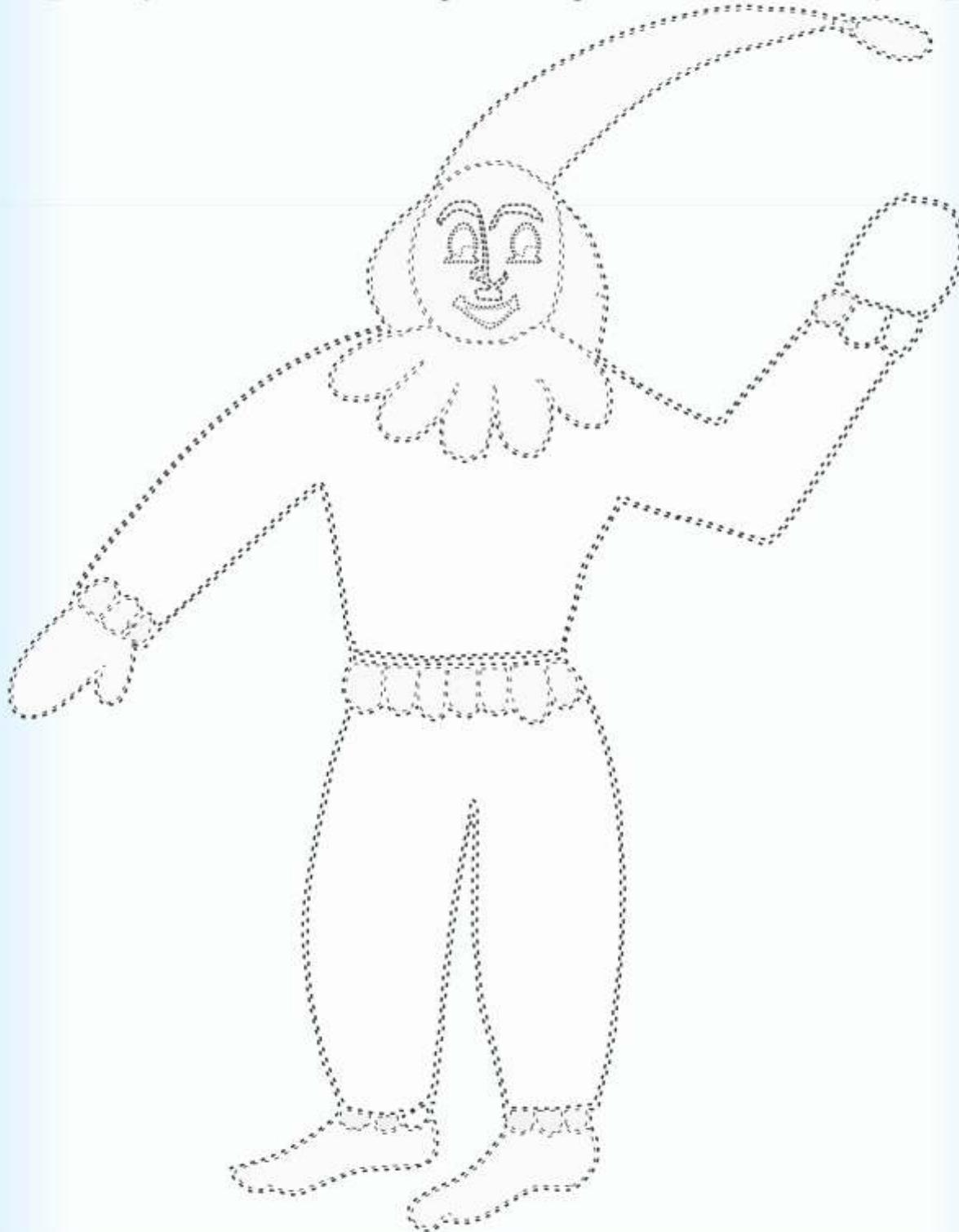


Seventy three



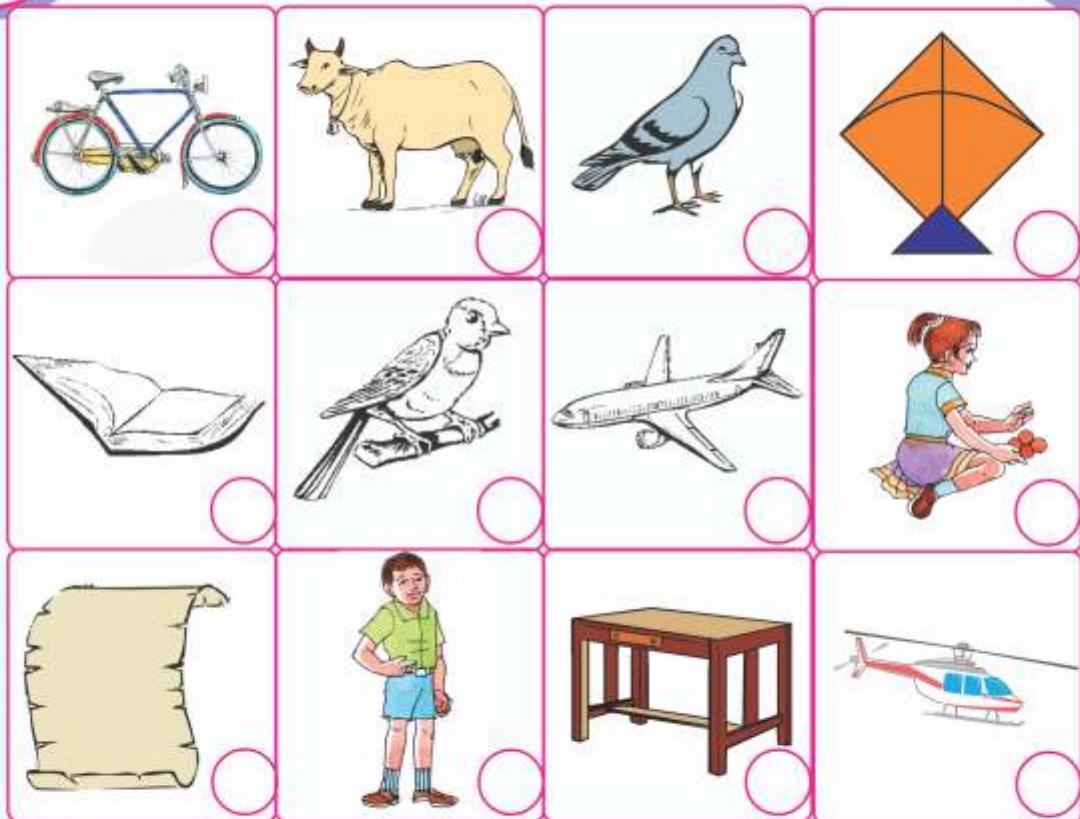
Colour :

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





Colour :



Outdoor Game :

71	72	73	74	75
80	79	78	77	76





Add :

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

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

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

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

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

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

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

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

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

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

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

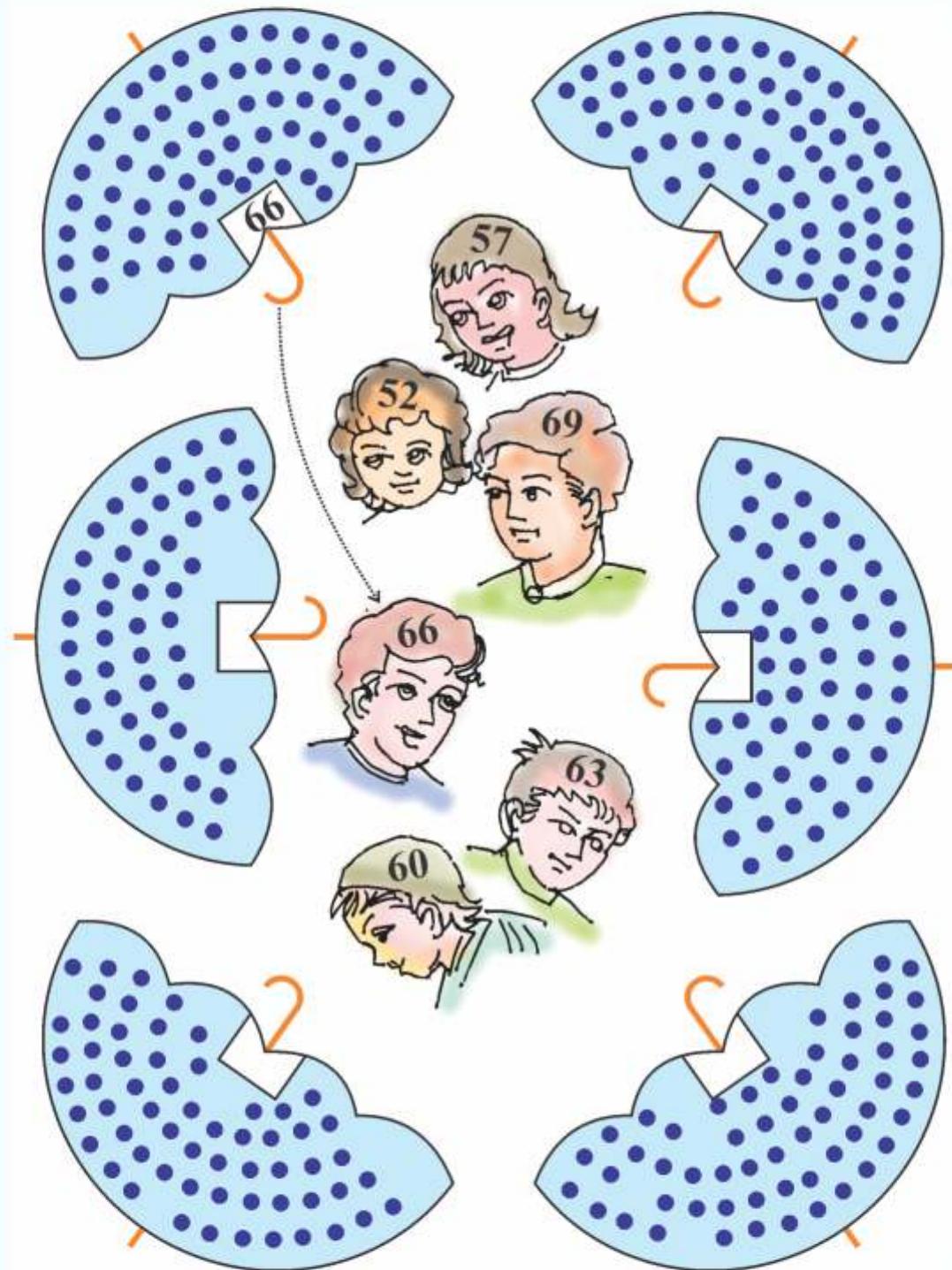
$$\begin{array}{r} 33 \\ + 47 \\ \hline \end{array}$$



Count :

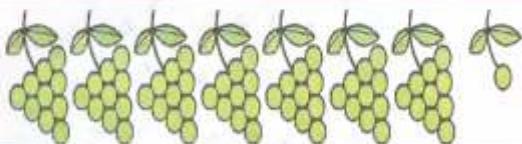


Write :

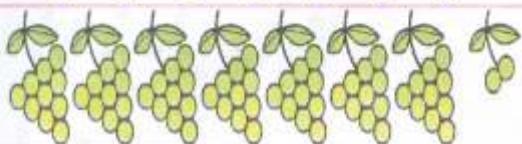




Read :



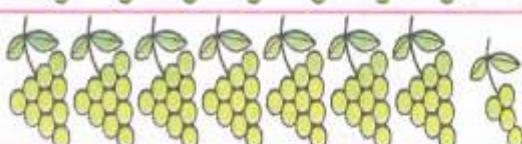
7 tens and 1 ... 71 Seventy one



7 tens and 2 ... 72 Seventy two



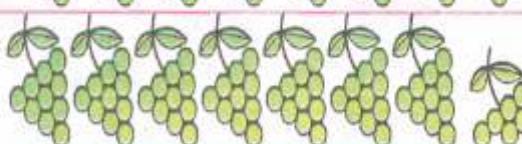
7 tens and 3 ... 73 Seventy three



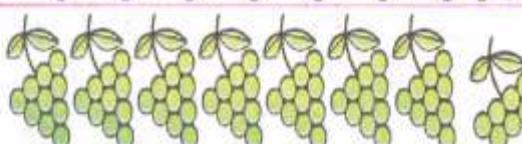
7 tens and 4 ... 74 Seventy four



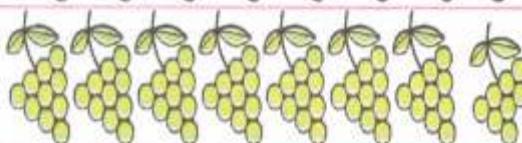
7 tens and 5 ... 75 Seventy five



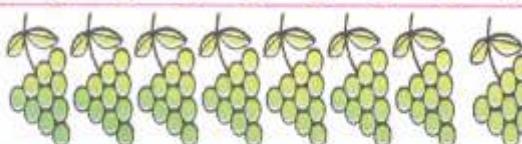
7 tens and 6 ... 76 Seventy six



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	

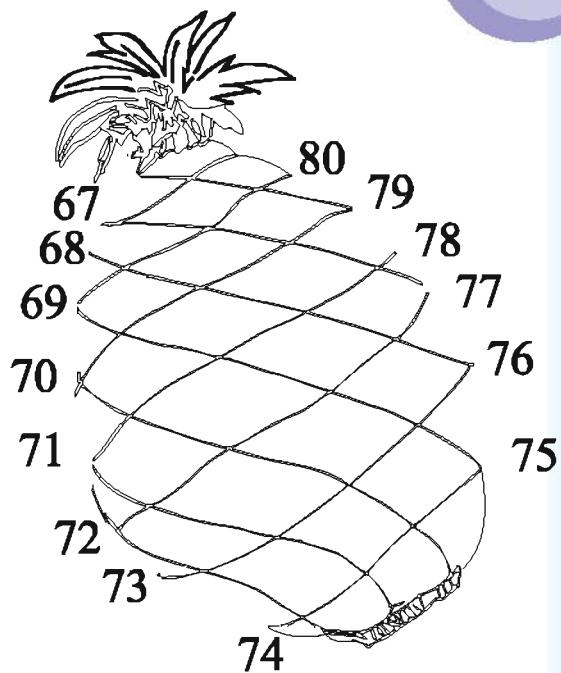
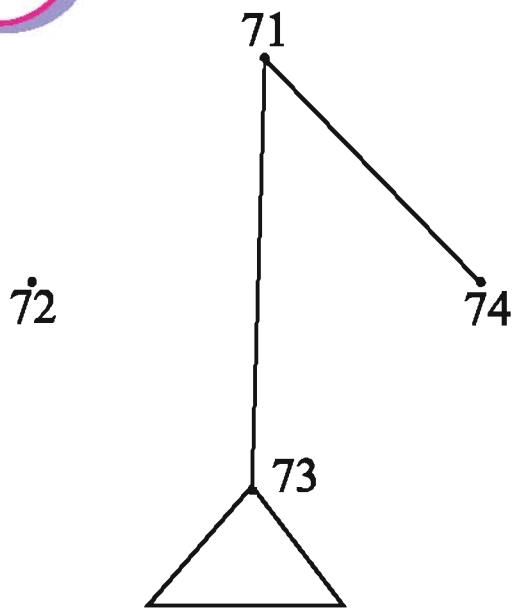


Think and Say :

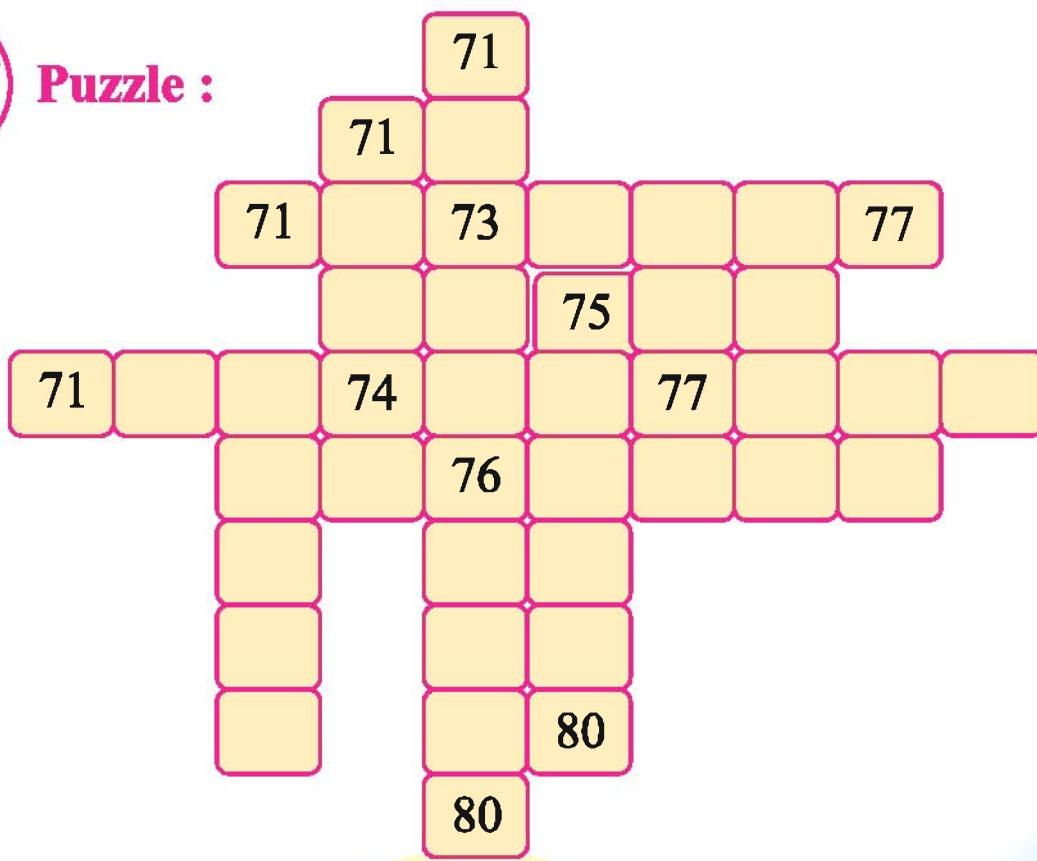




Colour : (Join the dots in order to complete the figure and colour it.)

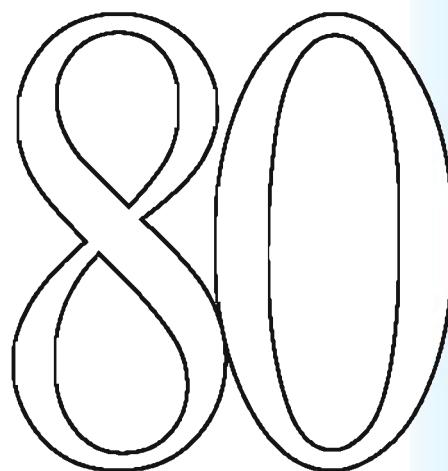
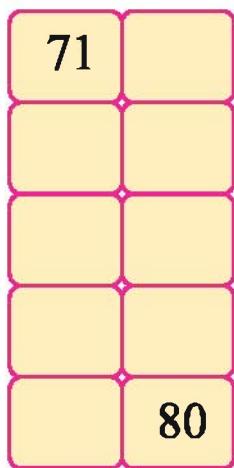
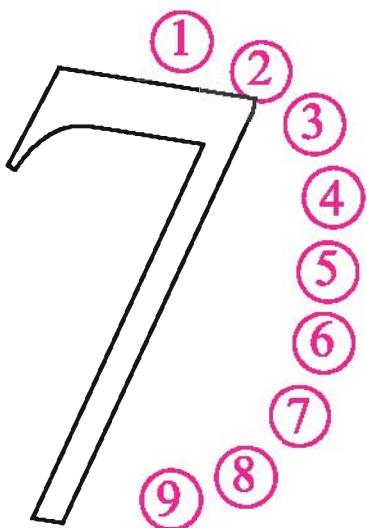


Puzzle :





Colour :



Indoor Game :





Colour :

41

71

78

72

68

78

73

74

71

79

41

61

80

70

50

45

35

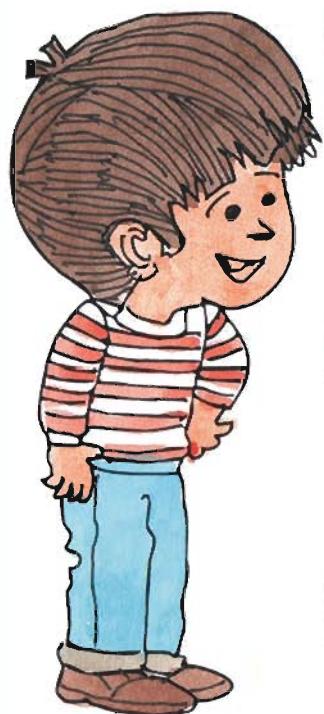
78



Observation :



Colour :





Colour :

51 80

74 70

62 72

78 72

68 73

80 71

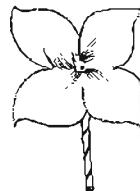
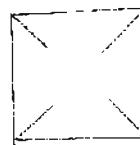
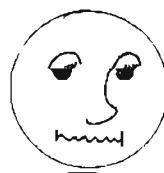
51 73

72 69

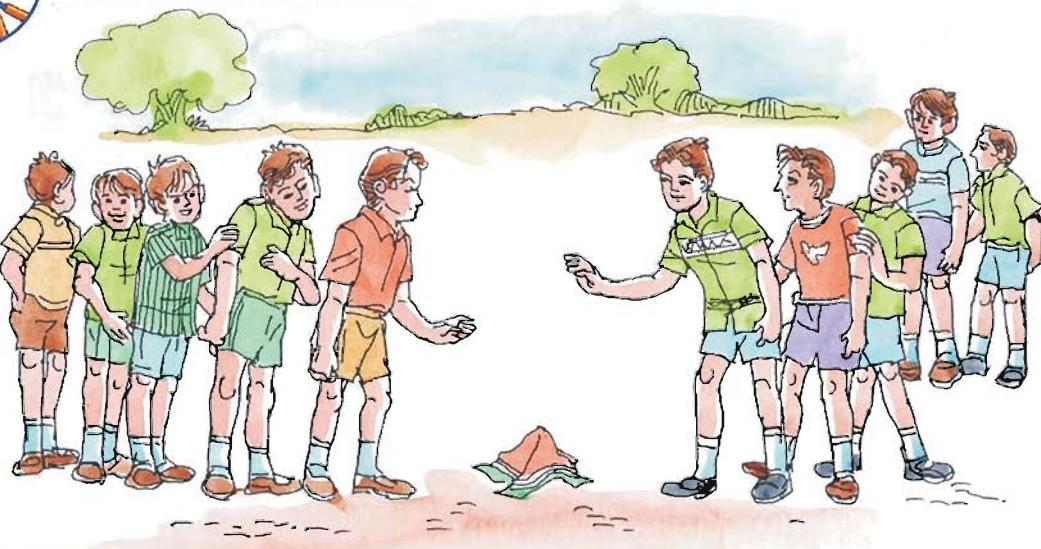
73 76



Observation :

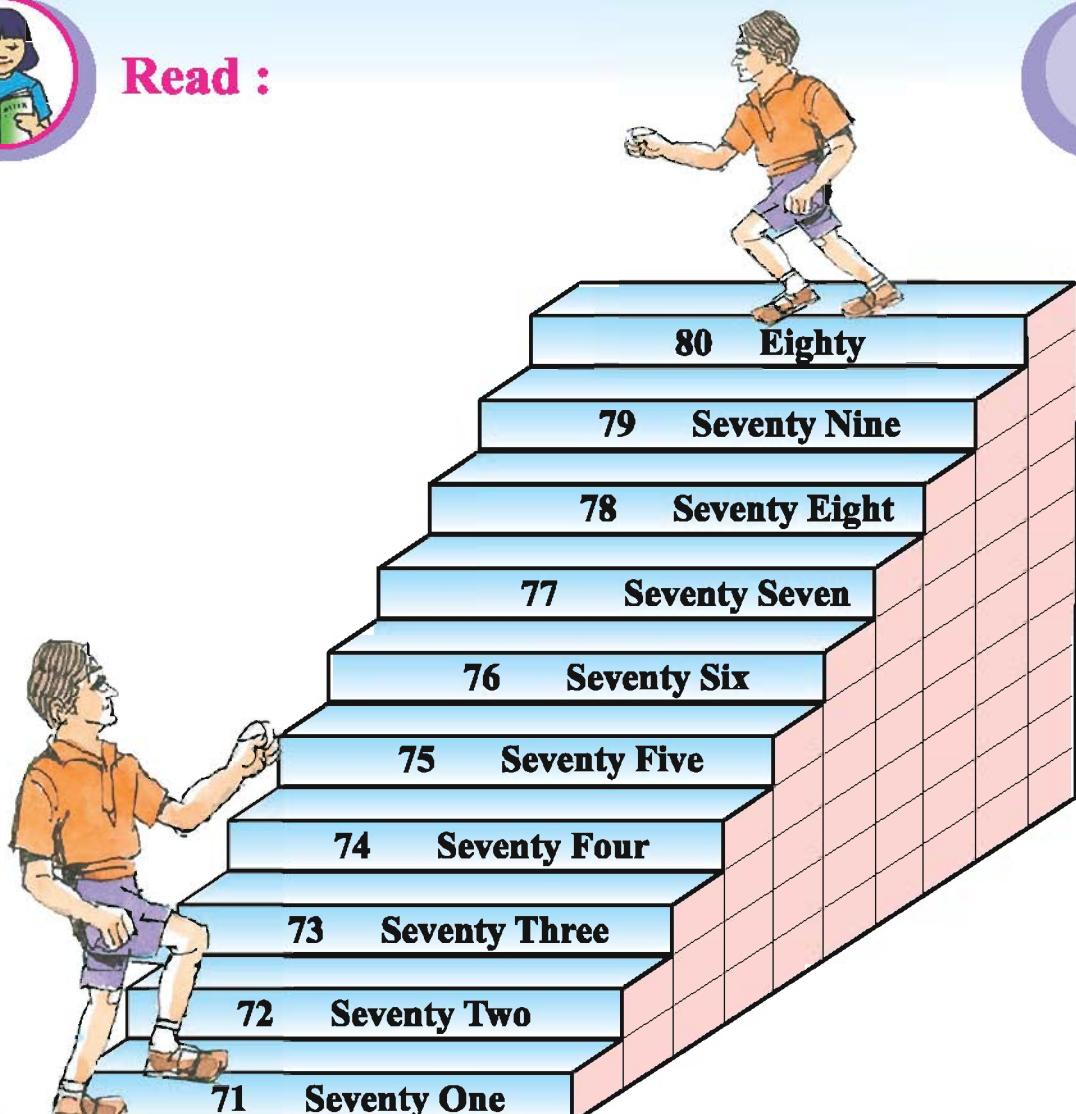


Outdoor Game :





Read :



Write :



71

74

--	--	--	--	--



80

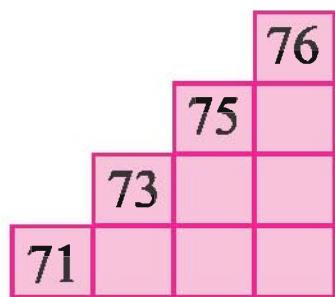
78

	74			



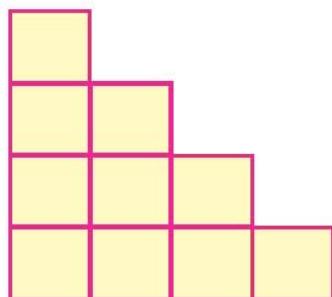
Write :

◆ Ascending Order

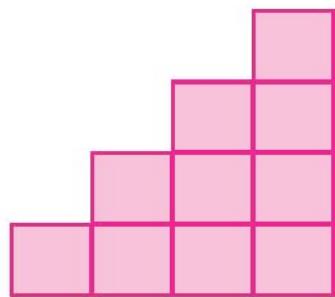


71, 73, 75, 76

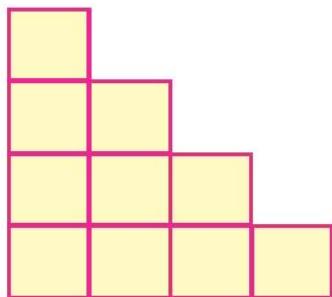
◆ Descending Order



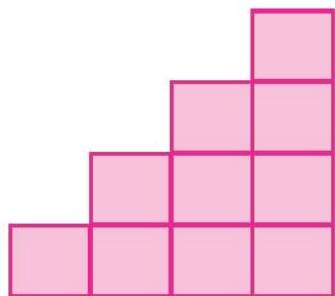
79, 76, 73, 72



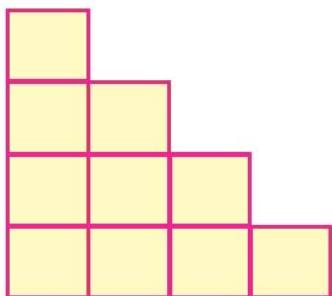
74, 70, 76, 72



74, 70, 76, 72



70, 78, 74, 73



74, 70, 76, 80



Write :

71

Seventy One

72

73

74

75

76

77

78

79

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.

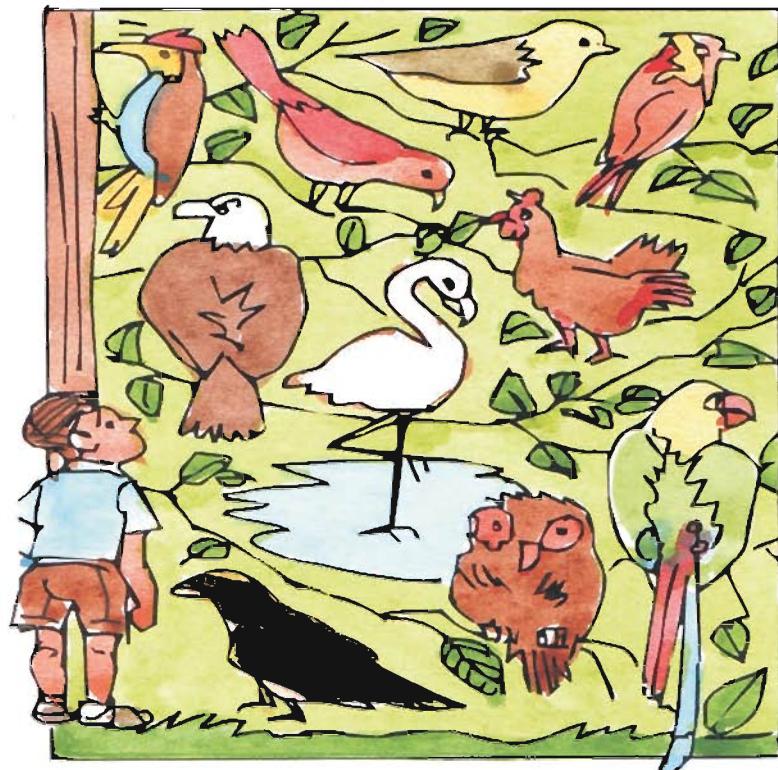


Activity :

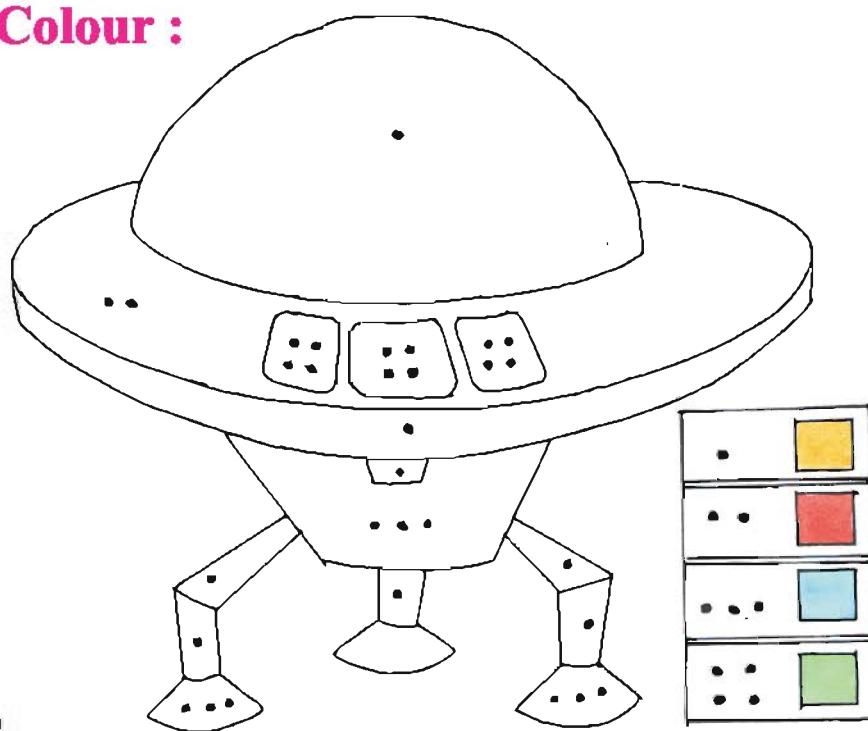




Think and Say :



Colour :

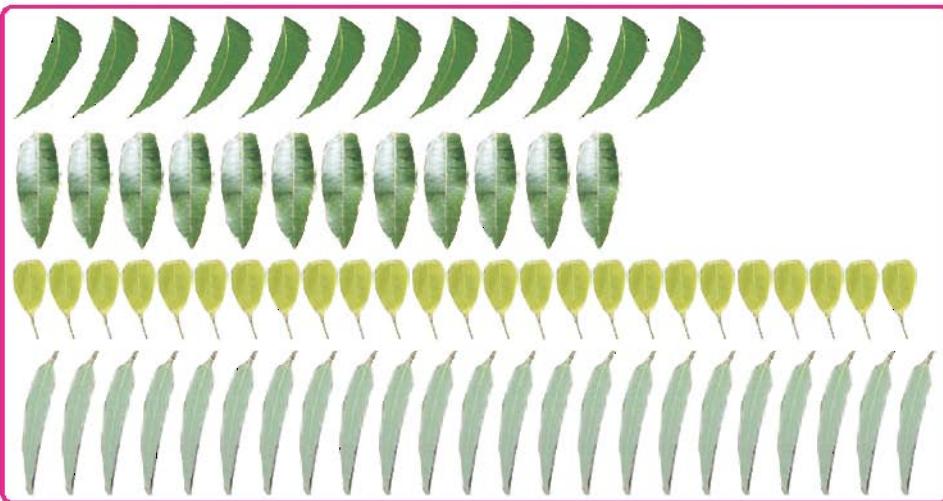




Count :



Write :



Leaves of Neem tree **12**

Leaves of Ashoka tree

Leaves of Eucalyptus tree

Leaves of Peepal Tree



Puzzle :

+

25

Leaves of Peepal tree

48

Total Leaves

+

25

Leaves of
Eucalyptus tree

+

Leaves of Pipal tree

+

Leaves of Neem tree

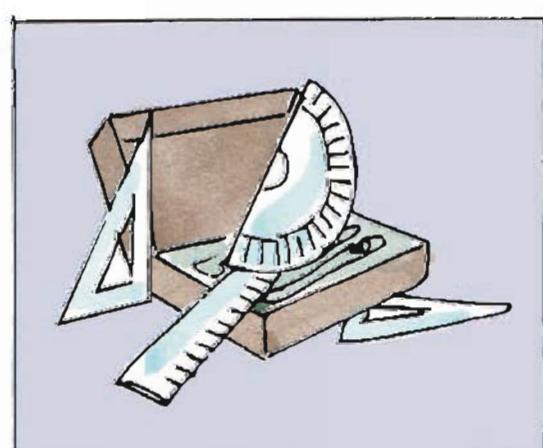
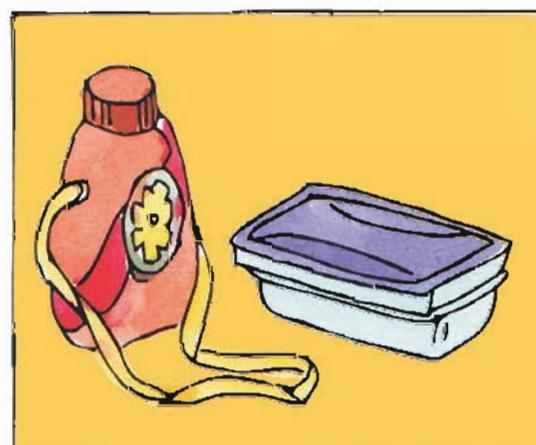
35



Observation :



Discussion :

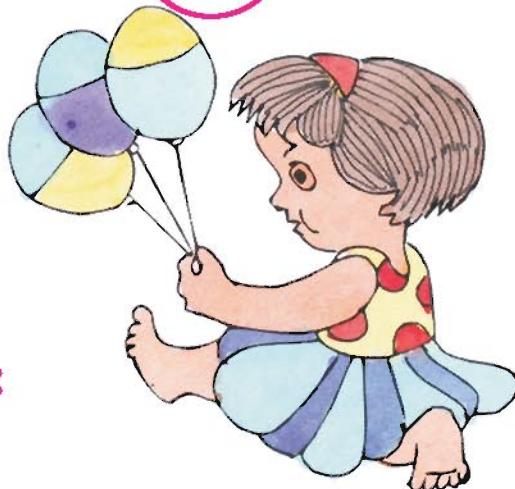




Observation :

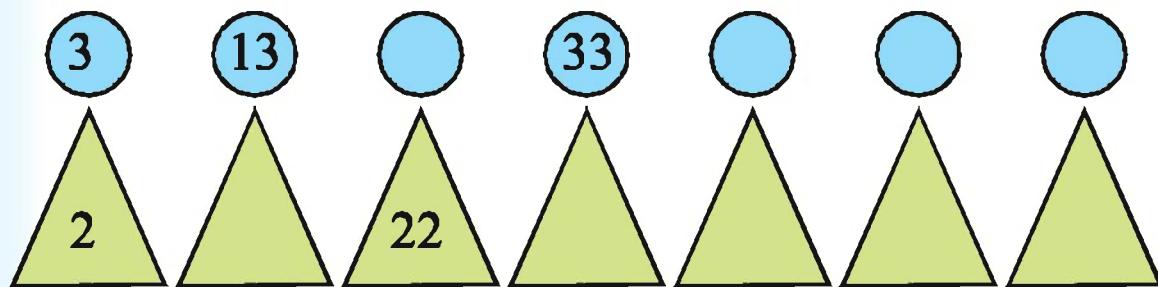


Think and Say :



Write :

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



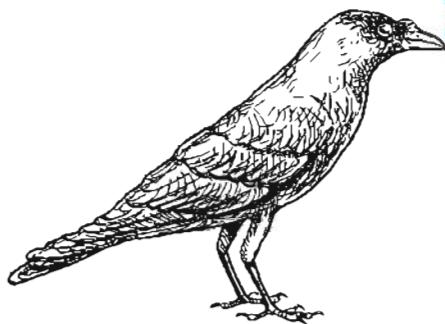
Count :



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

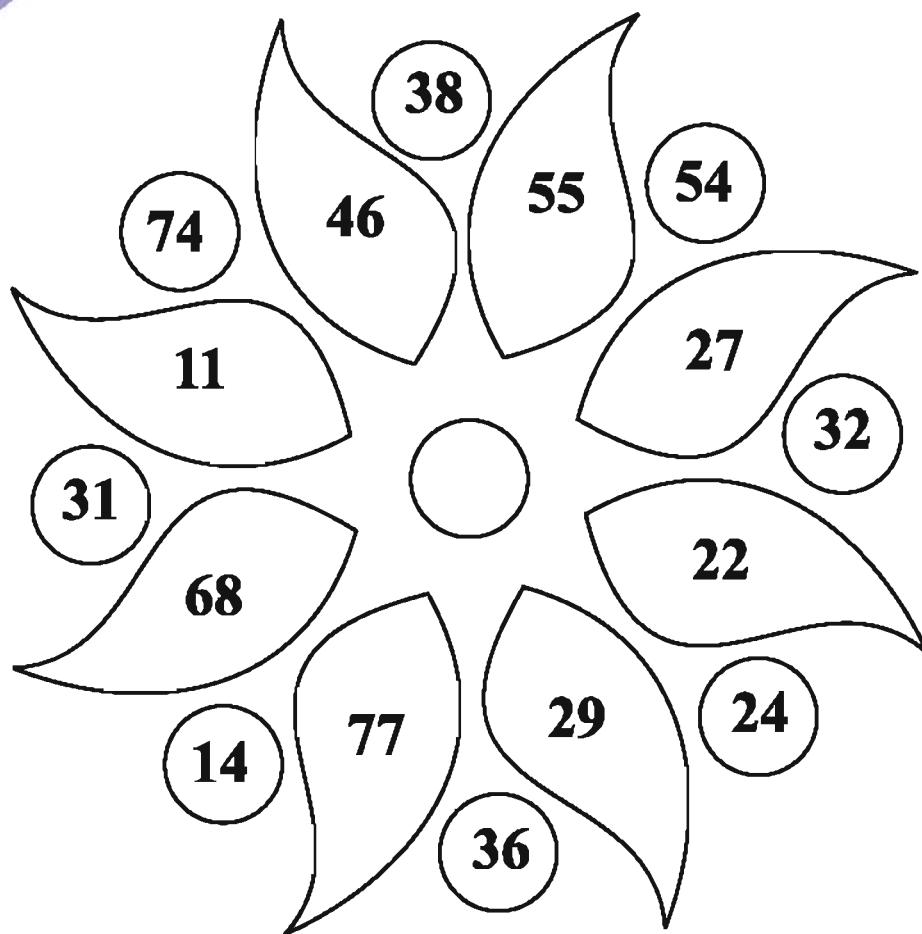


40





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

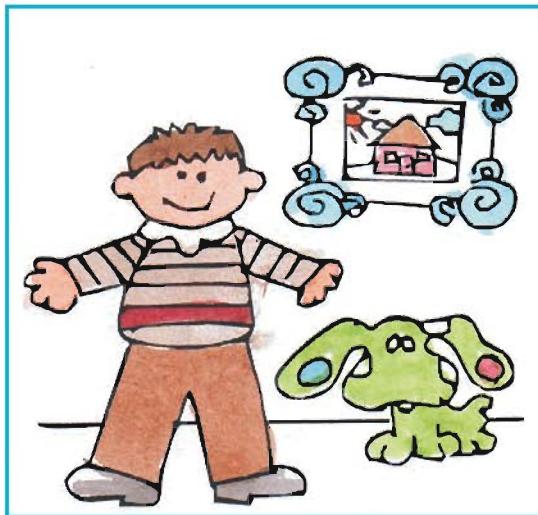
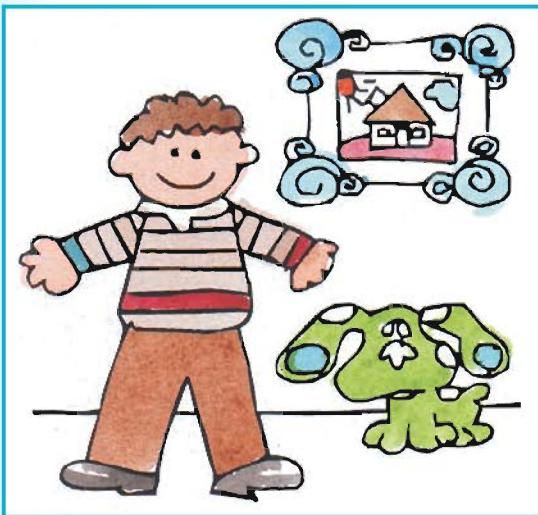
Date :

Day :

Breakfast	
Lunch	



Puzzle :



Count :

$$\begin{array}{r} 23 \\ + 20 \\ \hline \end{array}$$



$$\begin{array}{r} \\ + 32 \\ \hline \end{array}$$

$$\begin{array}{r} 22 \\ + 15 \\ \hline \end{array}$$

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



$$\begin{array}{r} 40 \\ + 10 \\ \hline \end{array}$$



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

$$\begin{array}{r} 35 \\ + 11 \\ \hline \end{array}$$



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
------	------

5	4
---	---

=	54
---	----

4	3
---	---

=	
---	--

8	3
---	---

=	
---	--

--	--

=	92
---	----

--	--

=	61
---	----

3	0
---	---

=	
---	--

	9
--	---

=	2_
---	----

7	
---	--

=	_2
---	----

	5
--	---

=	_6
---	----



Discussion :

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

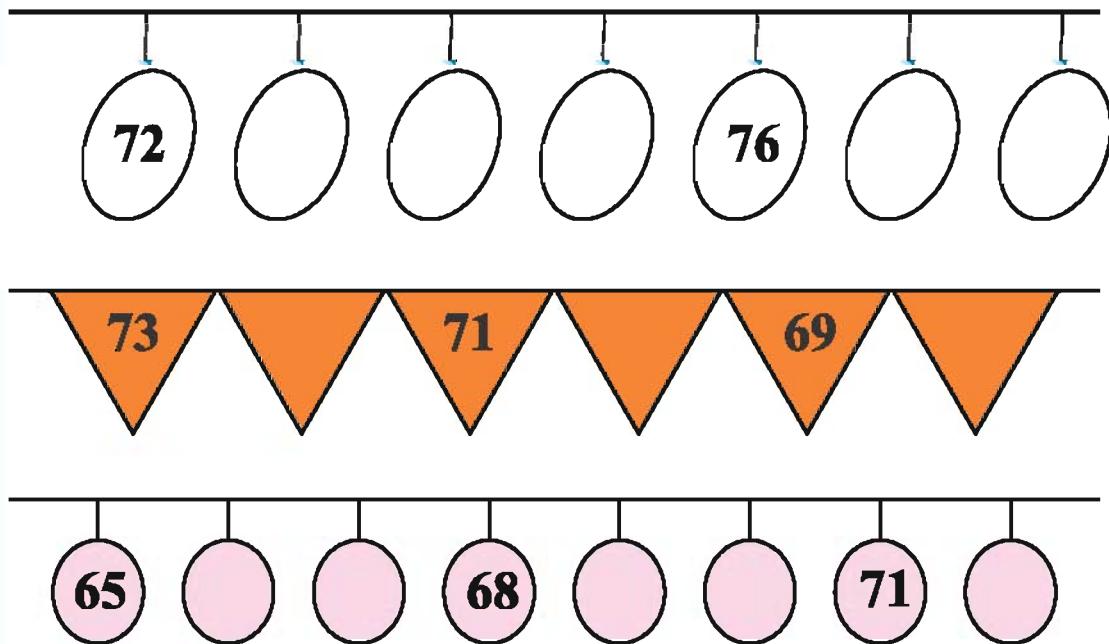
◆ Unit's and ten's digits are equal

◆ Unit's digit is bigger

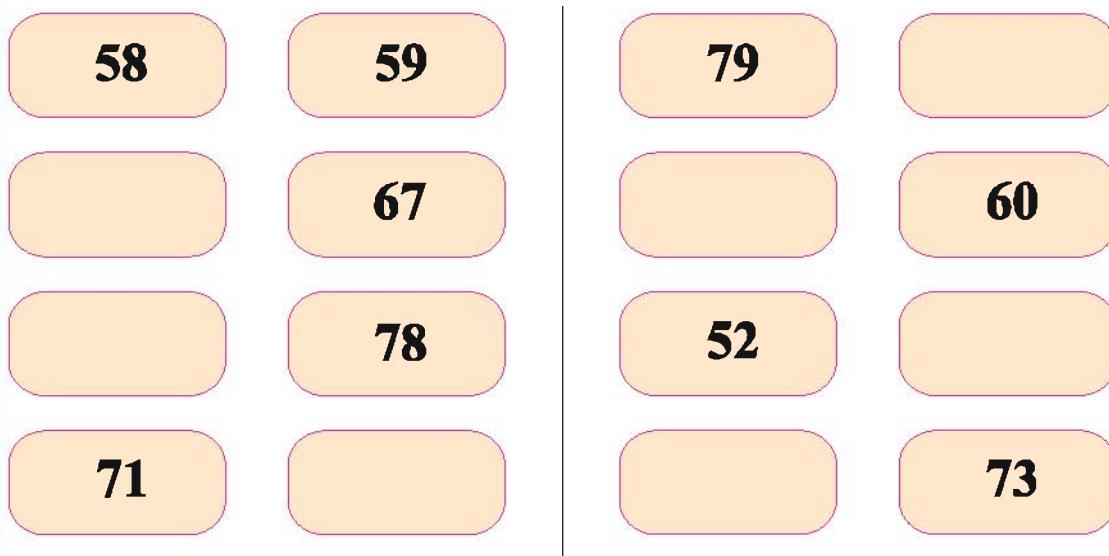
● ◆ Ten's digit is bigger



Write :

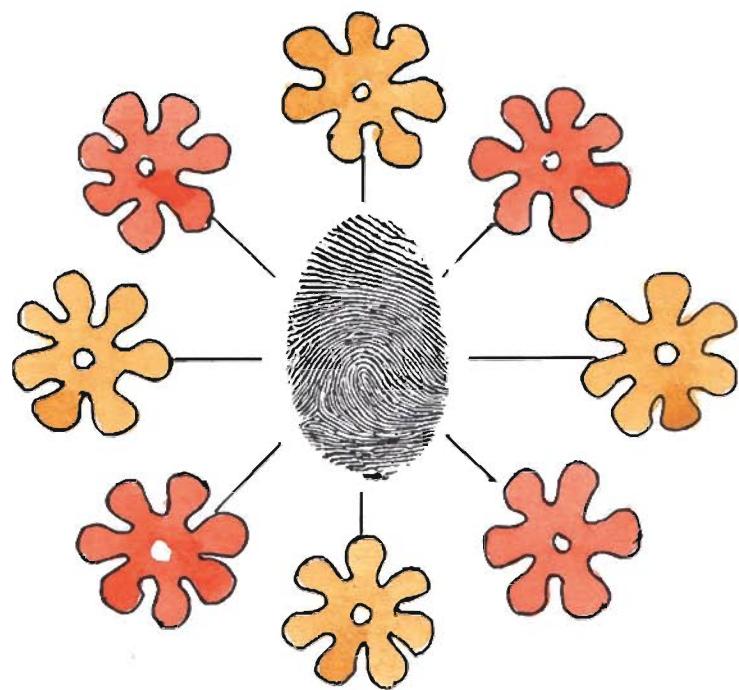


Write :





Activity :



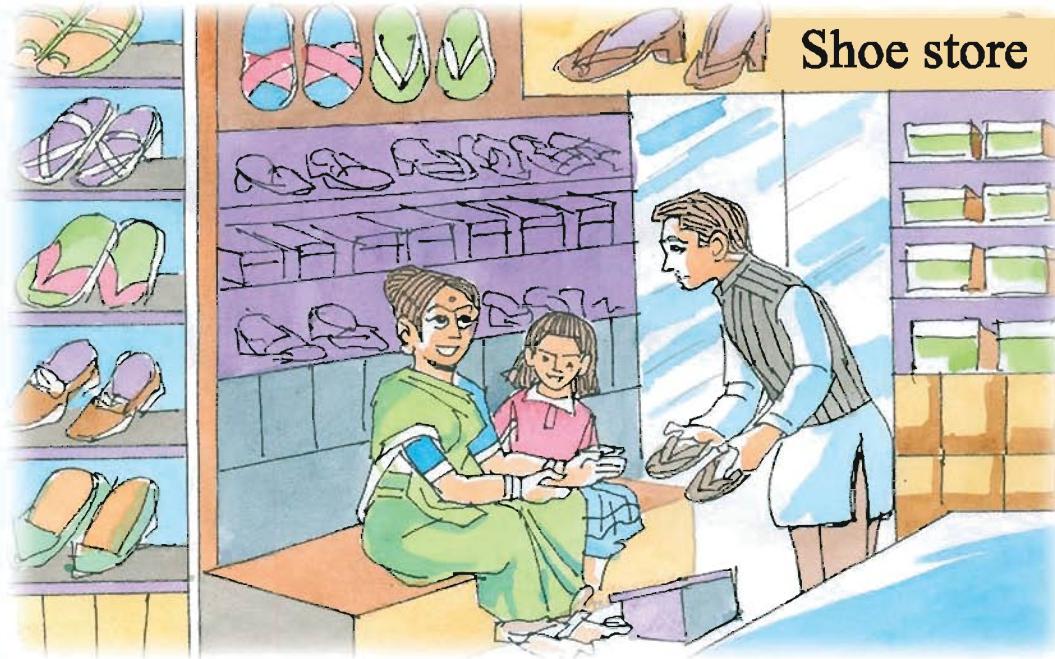
4. In a Shop with Mother



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 :

- | | | | | | | | | | |
|----------------------------|----------------------------|------------------------------|-----------------------------|-----------------------------|----------------------------|------------------------------|------------------------------|-----------------------------|-------------------------|
| 81 - Eighty One - 80 and 1 | 82 - Eighty Two - 80 and 2 | 83 - Eighty Three - 80 and 3 | 84 - Eighty Four - 80 and 4 | 85 - Eighty Five - 80 and 5 | 86 - Eighty Six - 80 and 6 | 87 - Eighty Seven - 80 and 7 | 88 - Eighty Eight - 80 and 8 | 89 - Eighty Nine - 80 and 9 | 90 - Ninety - 80 and 10 |
| 81 - Eighty One - 80 and 1 | 82 - Eighty Two - 80 and 2 | 83 - Eighty Three - 80 and 3 | 84 - Eighty Four - 80 and 4 | 85 - Eighty Five - 80 and 5 | 86 - Eighty Six - 80 and 6 | 87 - Eighty Seven - 80 and 7 | 88 - Eighty Eight - 80 and 8 | 89 - Eighty Nine - 80 and 9 | 90 - Ninety - 80 and 10 |

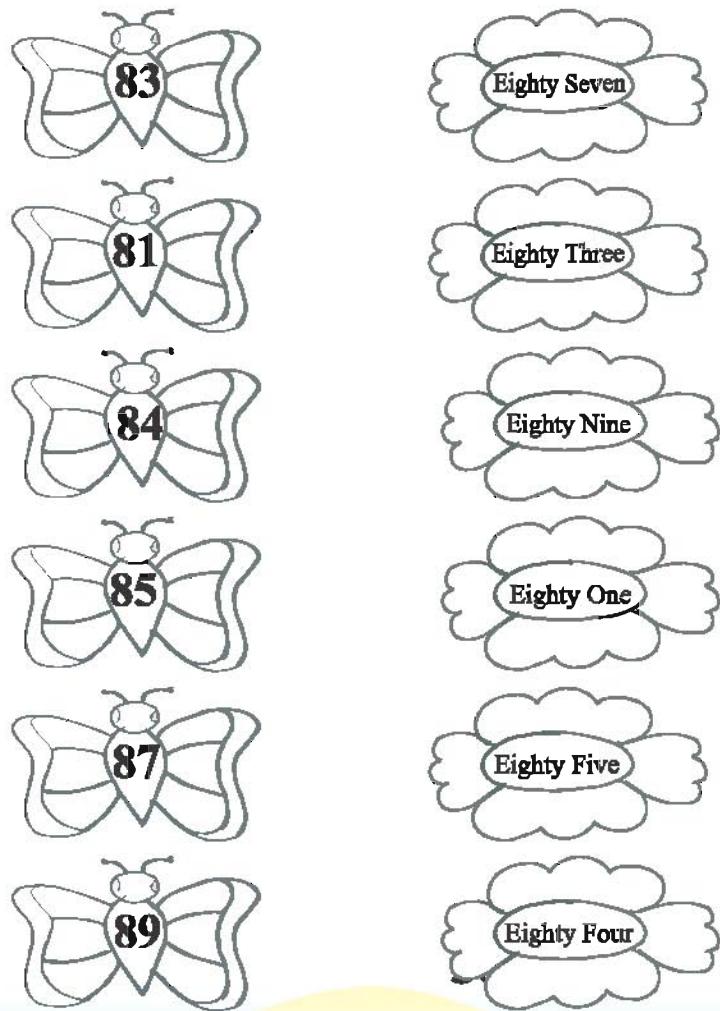


Write :

		81	82					
82		84				88		
	85				89			

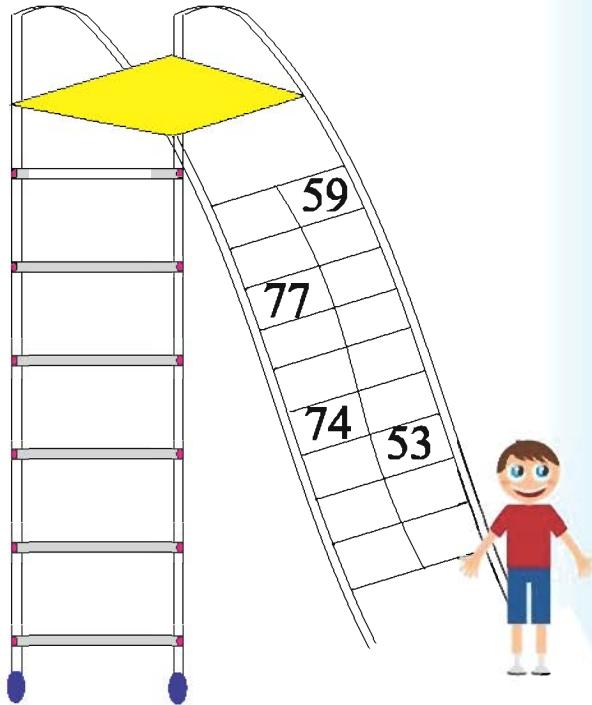
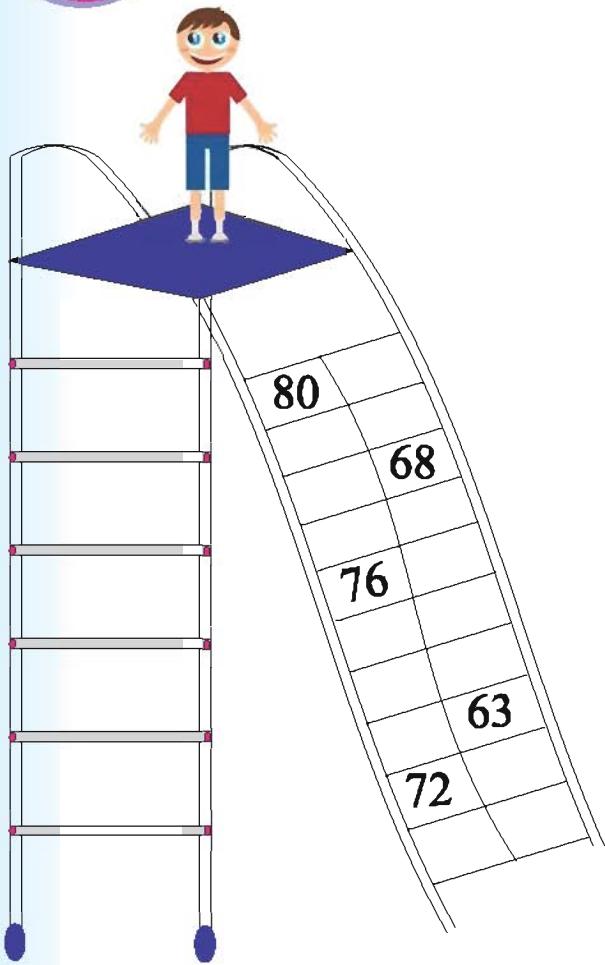


Colour :

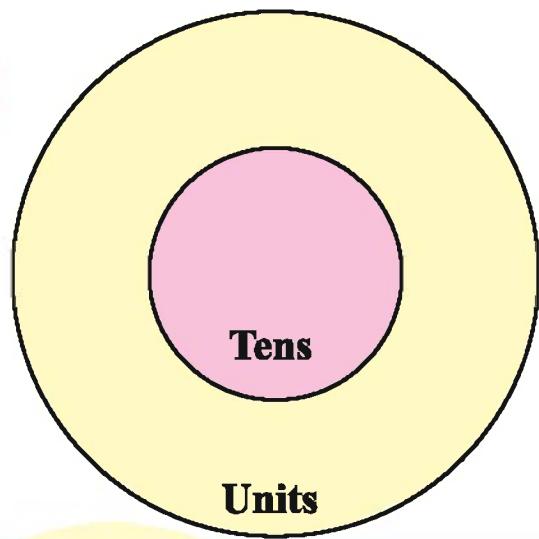




Write :

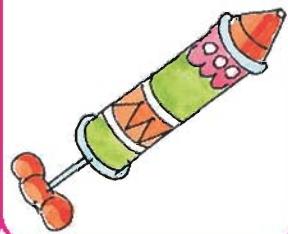
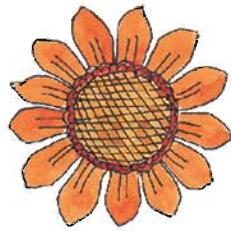


Indoor Game :



Observation :

Discussion :

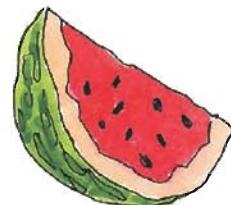
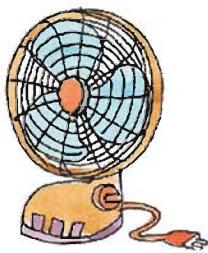


(1) January

(2) February

(3) March

(4) April

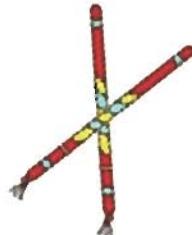
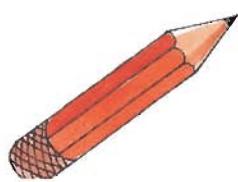


(5) May

(6) June

(7) July

(8) August



(9) September

(10) October

(11) November

(12) December



Write :

(1)

(2)

(3)

(4)

(5)

(6)

(7)

(8)

(9)

(10)

(11)

(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 :



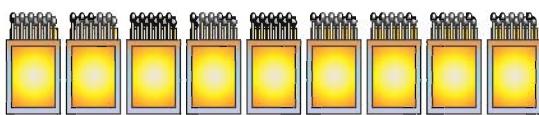
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30



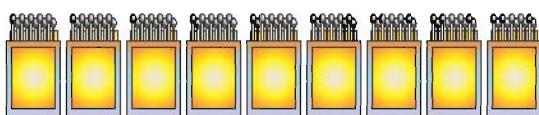
Count :



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



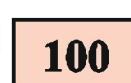
Ninety Seven



Ninety Eight



Ninety Nine



100

Hundred



Write :

91

93

96

95

100



Classroom Game :



Write :

10

20

80

3

13

43

83

5

15

35

75

7

17

57

77



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

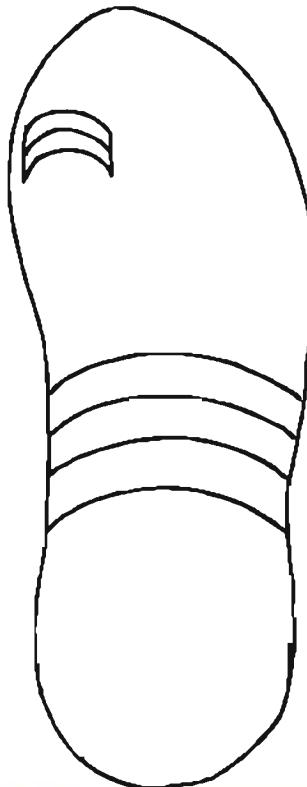
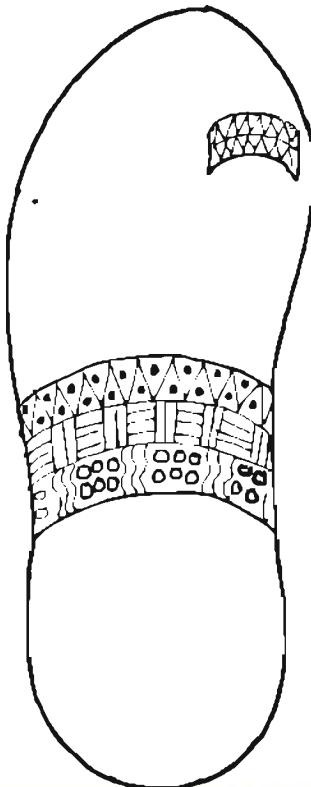
Ninety Eight

96

Ninety Three

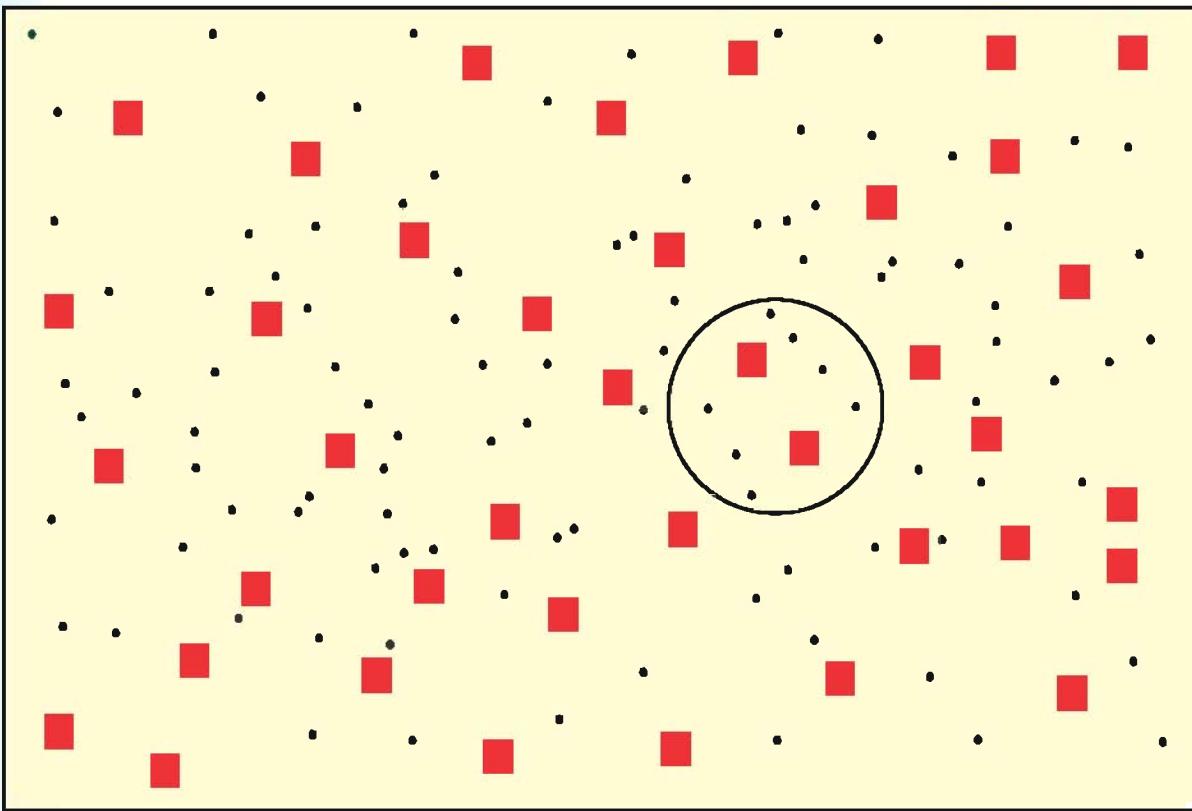


Colour : (Draw and Colour) :





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.

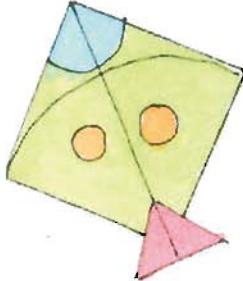
5. Wonders around us



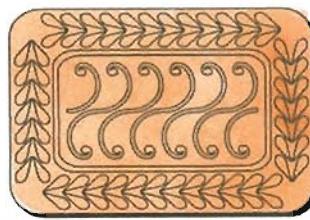
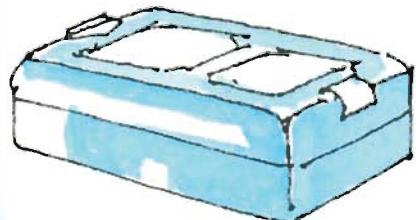
Song :



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.

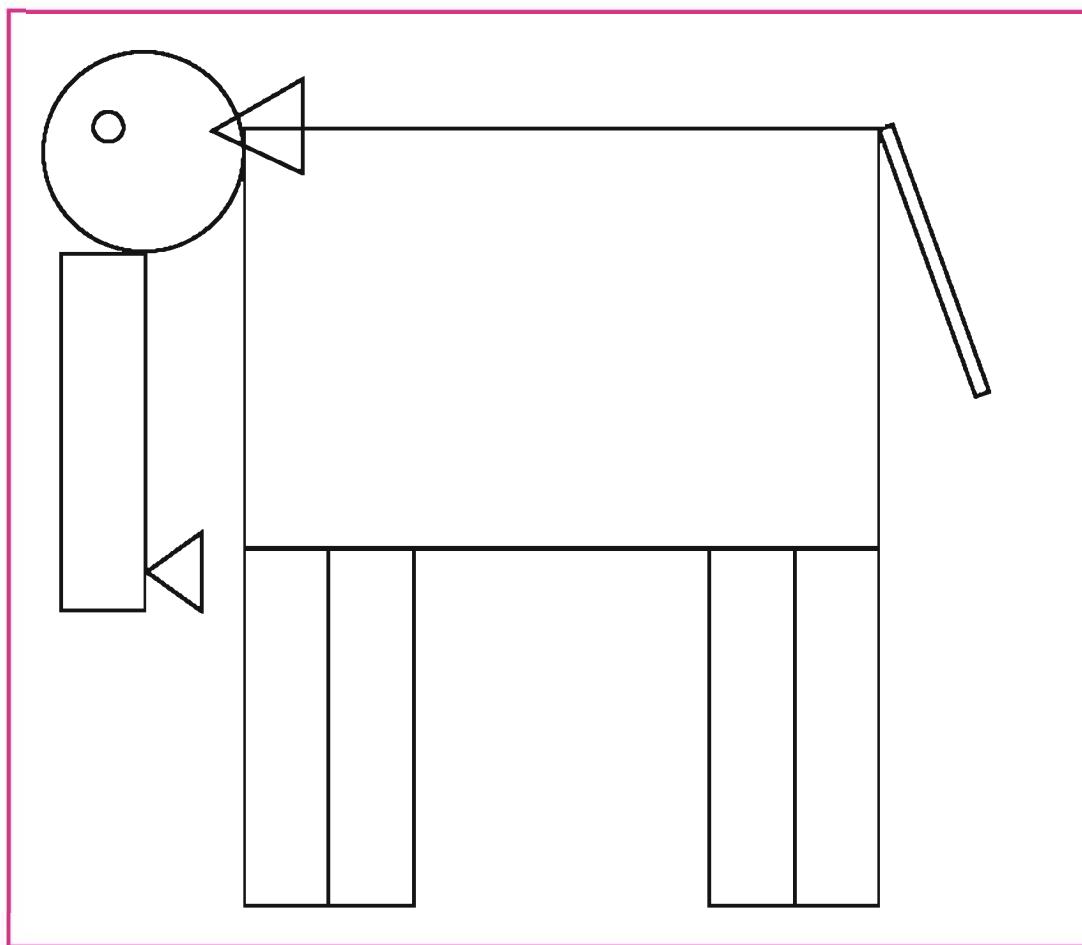




Colour :



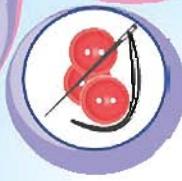
Write :



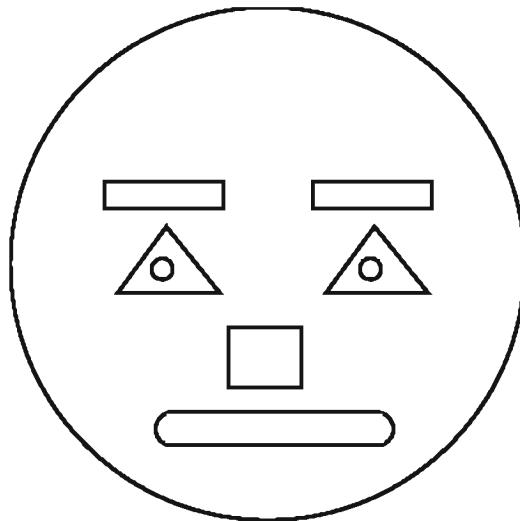
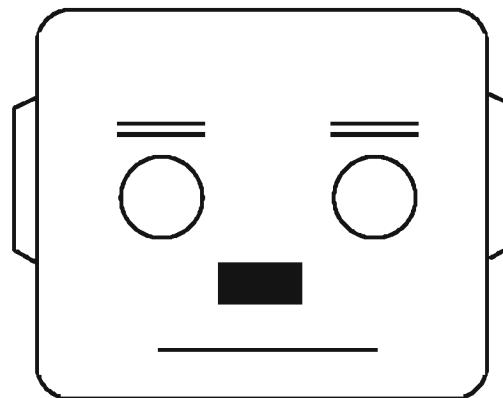
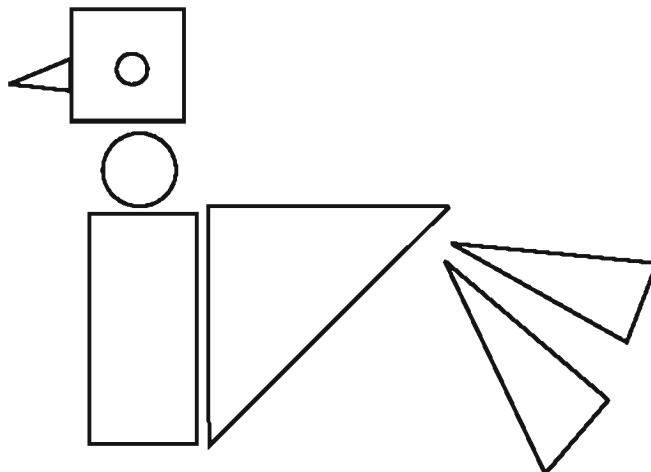


Think and Say :





Activity :

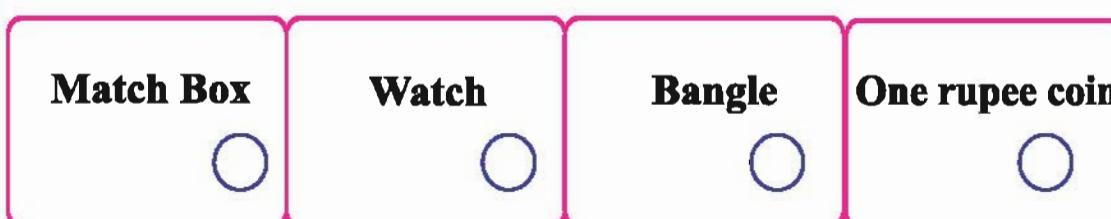
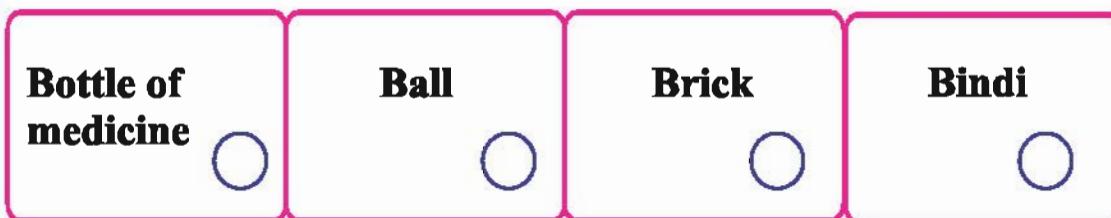
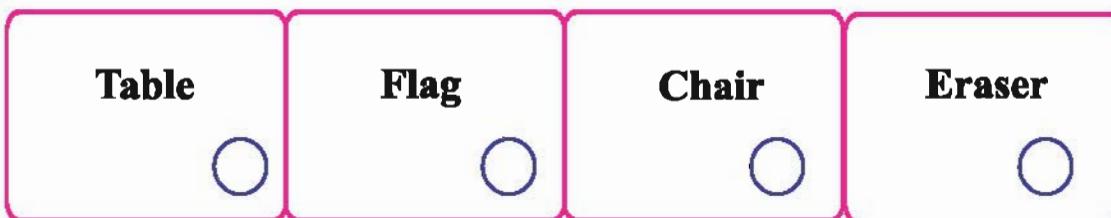
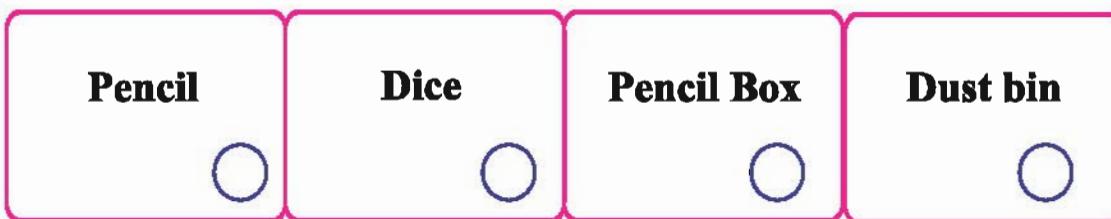
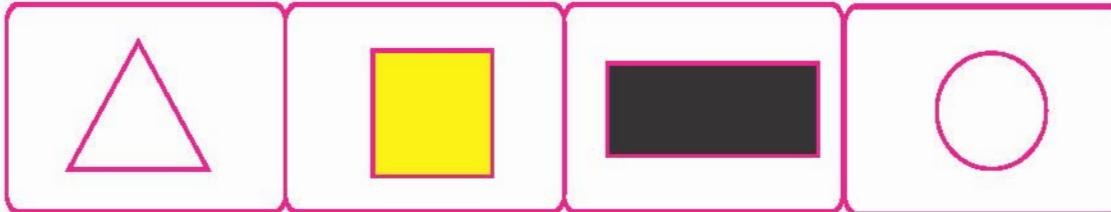




Colour :

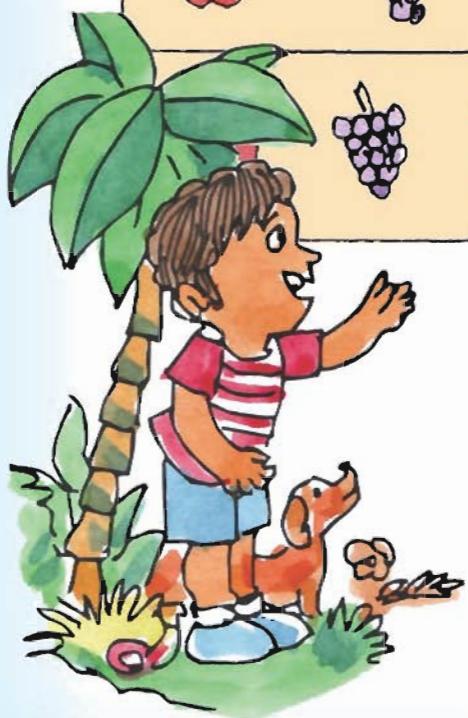
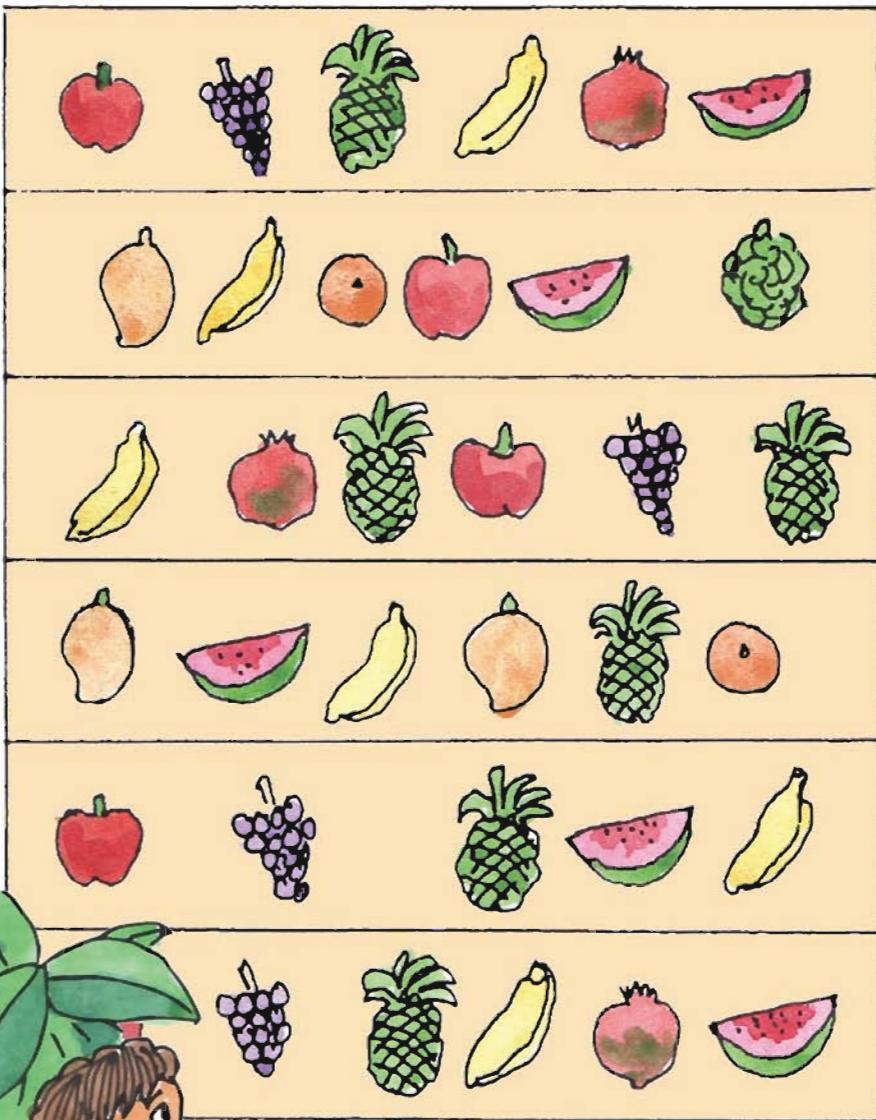


Discussion :





Puzzle :

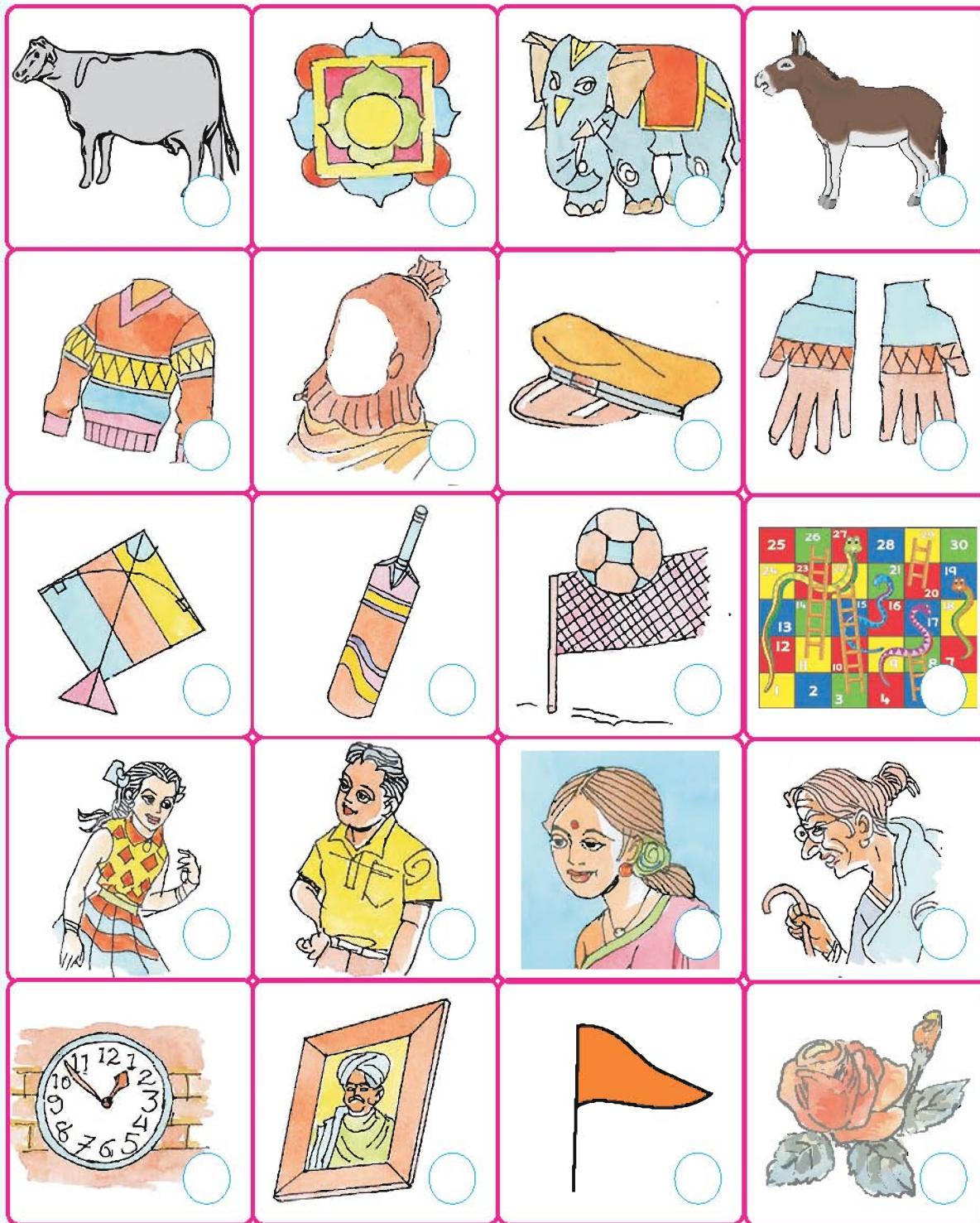




Observation :



Discussion :

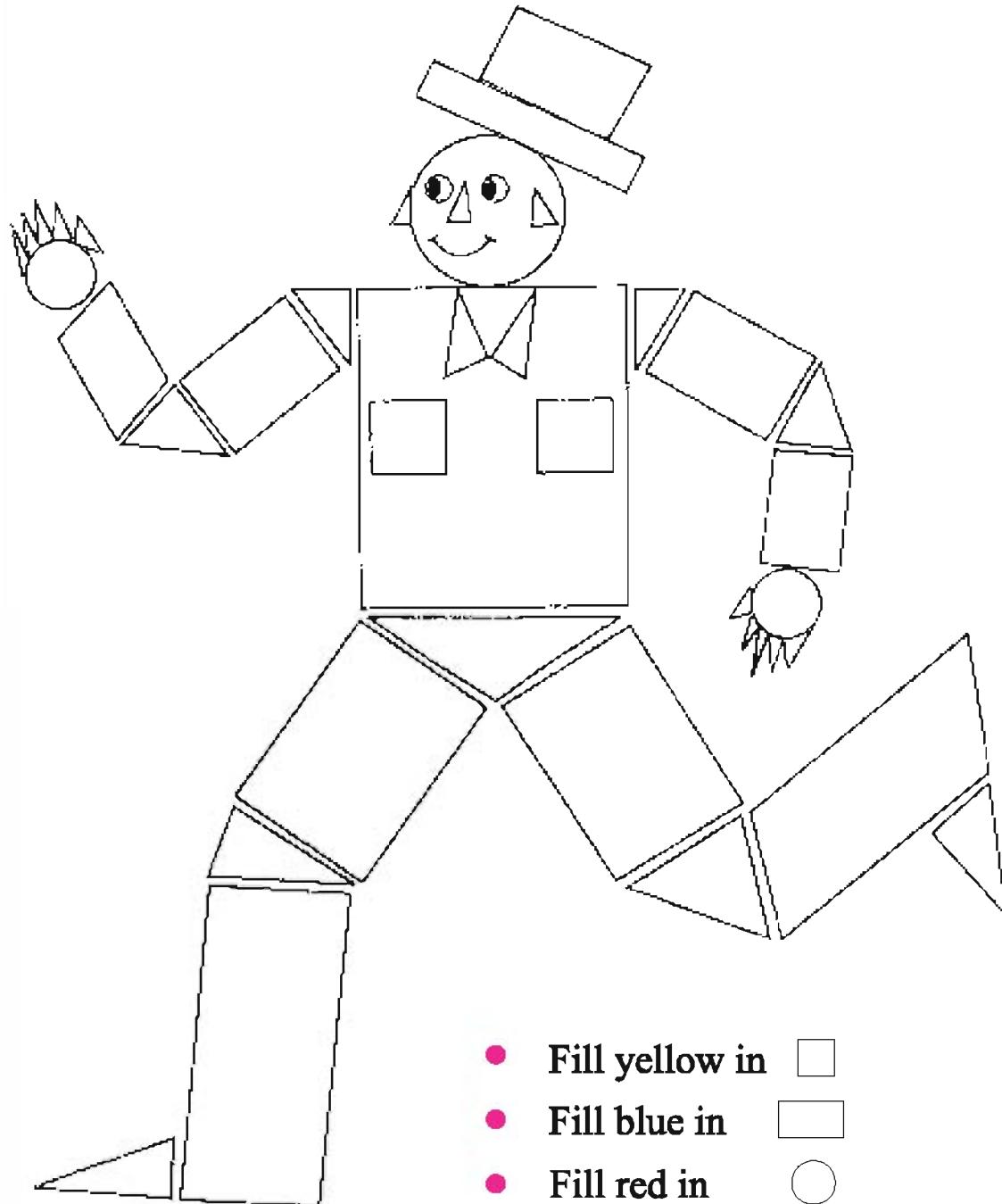




Colour :

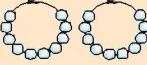
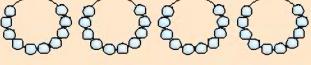
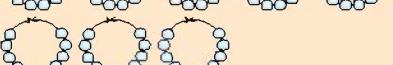
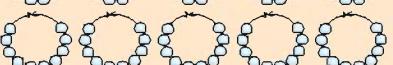


Discussion :



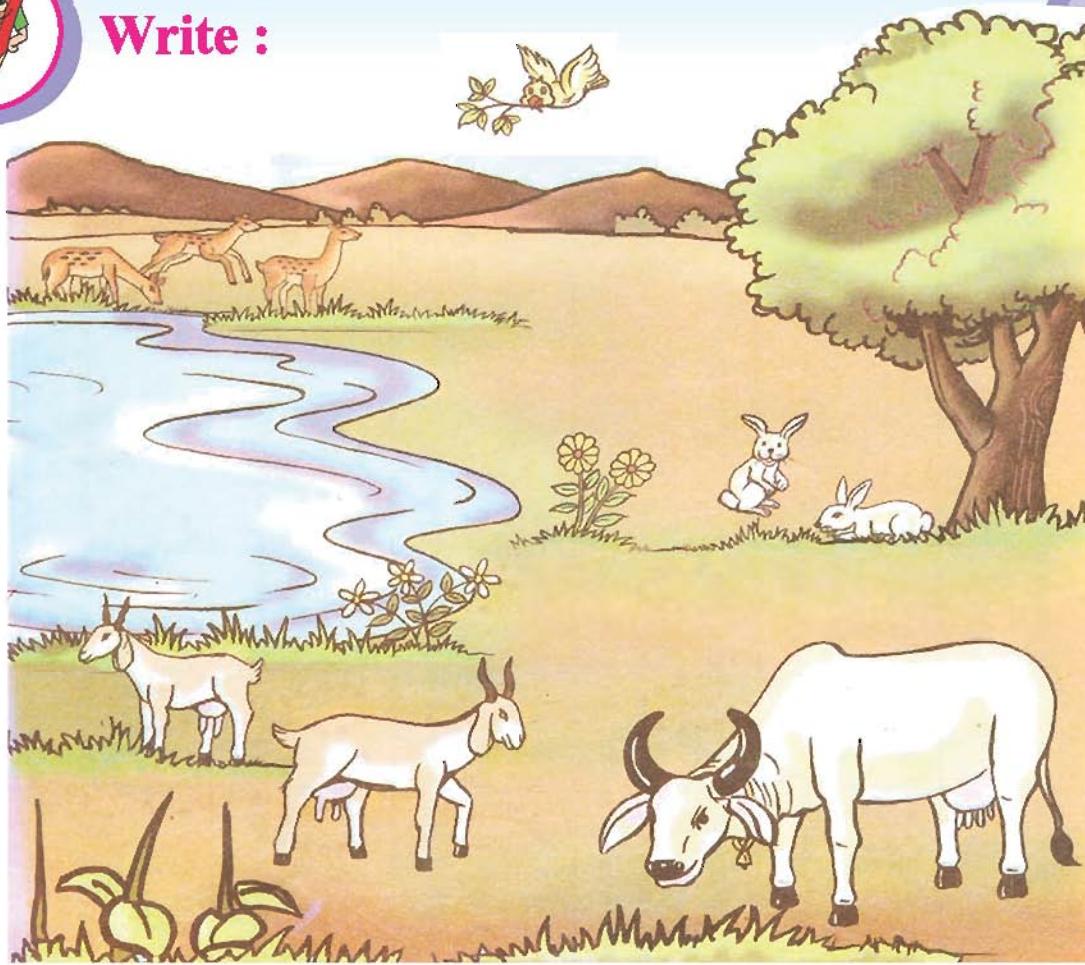
- Fill yellow in
- Fill blue in
- Fill red in
- Fill green in

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 ?

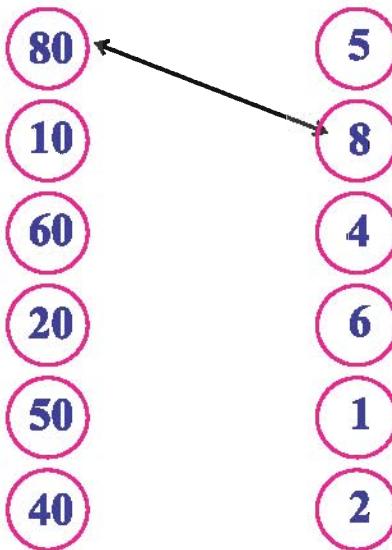
How many legs does 1 cow have ?

How many tails do 2 goats have ?

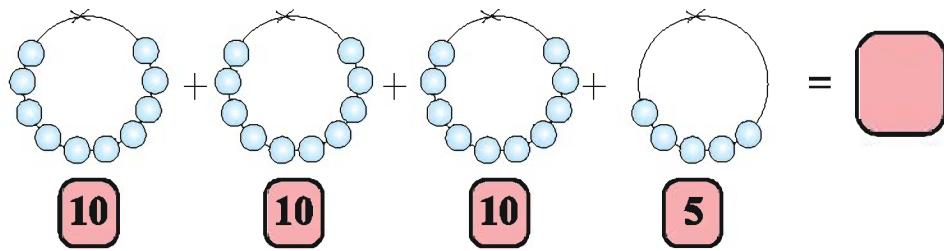
How many horns do 2 goats have ?



Puzzle : Number Group of 10 (tens)



Count :



Observe and Do :



3 tens 3 units



2 tens 2 units



1 ten 1 unit

$$\begin{array}{r}
 3 \quad 3 \\
 - \quad 2 \quad 2 \\
 \hline
 1 \quad 1
 \end{array}$$

1 ten 1 unit

$$\begin{array}{r}
 7 \quad 5 \\
 - \quad 3 \quad 3 \\
 \hline
 4 \quad 2
 \end{array}$$



Count :



Write :

46	82	27	79	65
- 25	- 41	- 13	- 36	- 23
<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
21				
95	34	58	83	38
- 24	- 21	- 42	- 31	- 25
<hr/>	<hr/>	<hr/>	<hr/>	<hr/>



Colour :



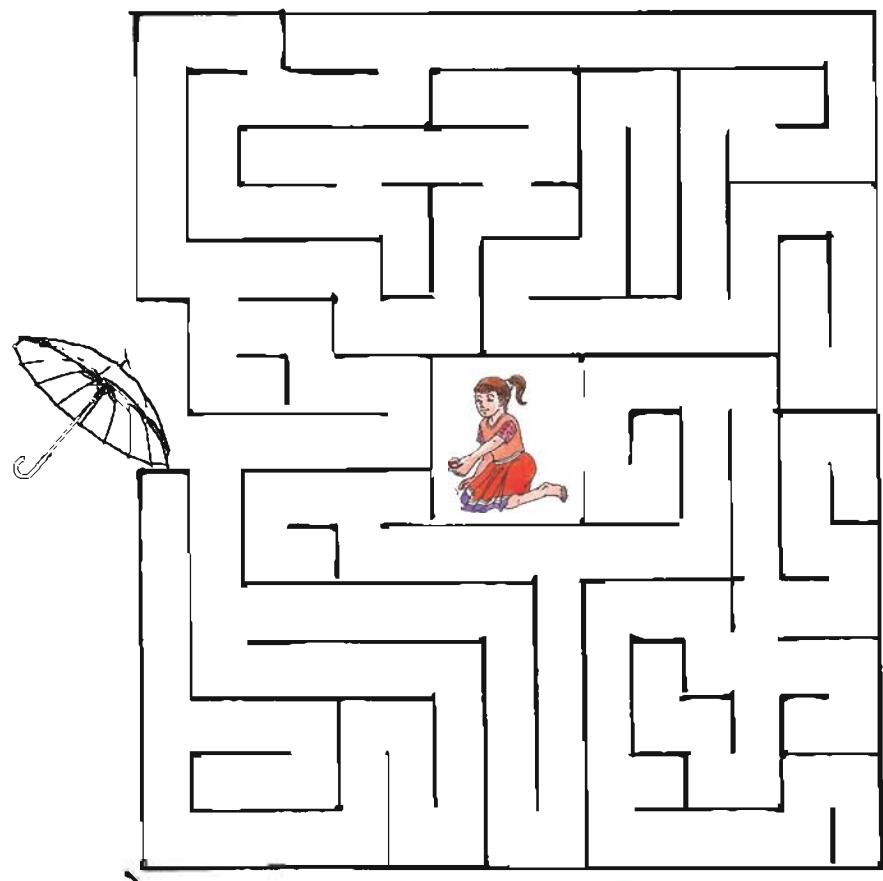


Write :

86	48	23	94	75
- 41	- 23	- 12	- 32	- 23
—	—	—	—	—
98	53	72	86	67
- 43	- 31	- 61	- 53	- 23
—	—	—	—	—



Activity :





Write :

67	43	96	76	87
$- 27$	$- 41$	$- 23$	$- 33$	$- 57$
—	—	—	—	—
55	29	51	14	34
$- 52$	$- 26$	$- 31$	$- 12$	$- 11$
—	—	—	—	—



Puzzle :

❖ Magic of 6

6	$-$	8	$-$	$-$
$- 0$	$- 6$	$- 2$	$- 6$	$- 6$
6	6	6	6	6
11	$-$	$-$	$-$	10
$- 5$	$- 6$	$- 6$	$- 6$	$- 6$
6	6	6	6	6



Write :



Puzzle :

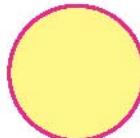
$$8 - 0 = 8$$

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

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

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

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

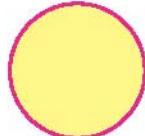




Puzzles :

$9 - 1 = 8$

$11 - \underline{\hspace{1cm}} = 8$



$13 - \underline{\hspace{1cm}} = 8$

$15 - \underline{\hspace{1cm}} = 8$

$17 - \underline{\hspace{1cm}} = 8$



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
2	2	4
2	3	6
2	4	8
2	5	10
2	6	12
2	7	14
2	8	16
2	9	18
2	10	20

3	1	3
3	2	6
3	3	9
3	4	12
3	5	15
3	6	18
3	7	21
3	8	24
3	9	27
3	10	30

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

5	1	5
5	2	10
5	3	15
5	4	20
5	5	25
5	6	30
5	7	35
5	8	40
5	9	45
5	10	50

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

2	1	2
2	10	20

3	2	6
3	8	24

4	4	16

5	3	15

10	5	50



Puzzle :



Write in ascending order

73, 53, 60, 57

Between numbers

88 86

After number

46

Before number

97

Write number

Before number

70

Write in descending order

93, 62, 72, 82

March May

Write months in order

October
June
September
February

58
+ 31

Draw Beads

Tens Unit
76

38
+ 59

How many groups of 5 ?

* * *
* * *
* * * *
* * * * *
* * * * *

5 x 5
4 x 3
2 x 8
10 x 6

8 means groups of 4
40 means groups of 5
16 means groups of 2
70 means groups of 10

There are 28 girls and 18 boys in a class. What is the total number of students in class ?

88 students of a certain school wish to go for a trip. The bus has only 56 seats. How many students cannot go to the trip ?

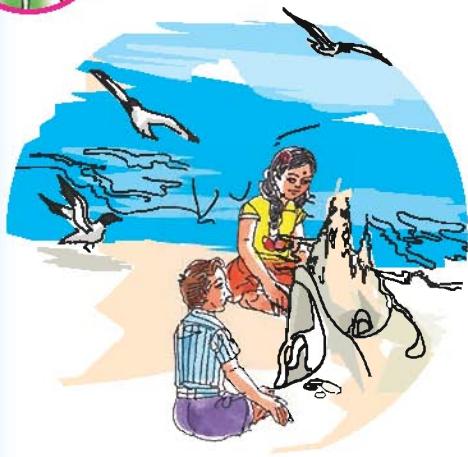
1 flower has 5 petals. How many petals do such seven flowers have ?



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 hassle,

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.

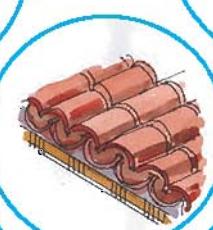
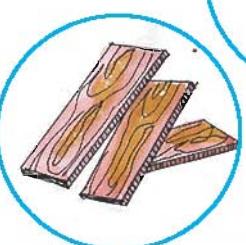
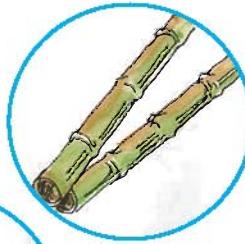
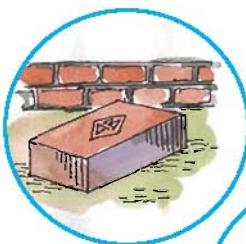
Ants make holes. A hut is a home.

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 ?

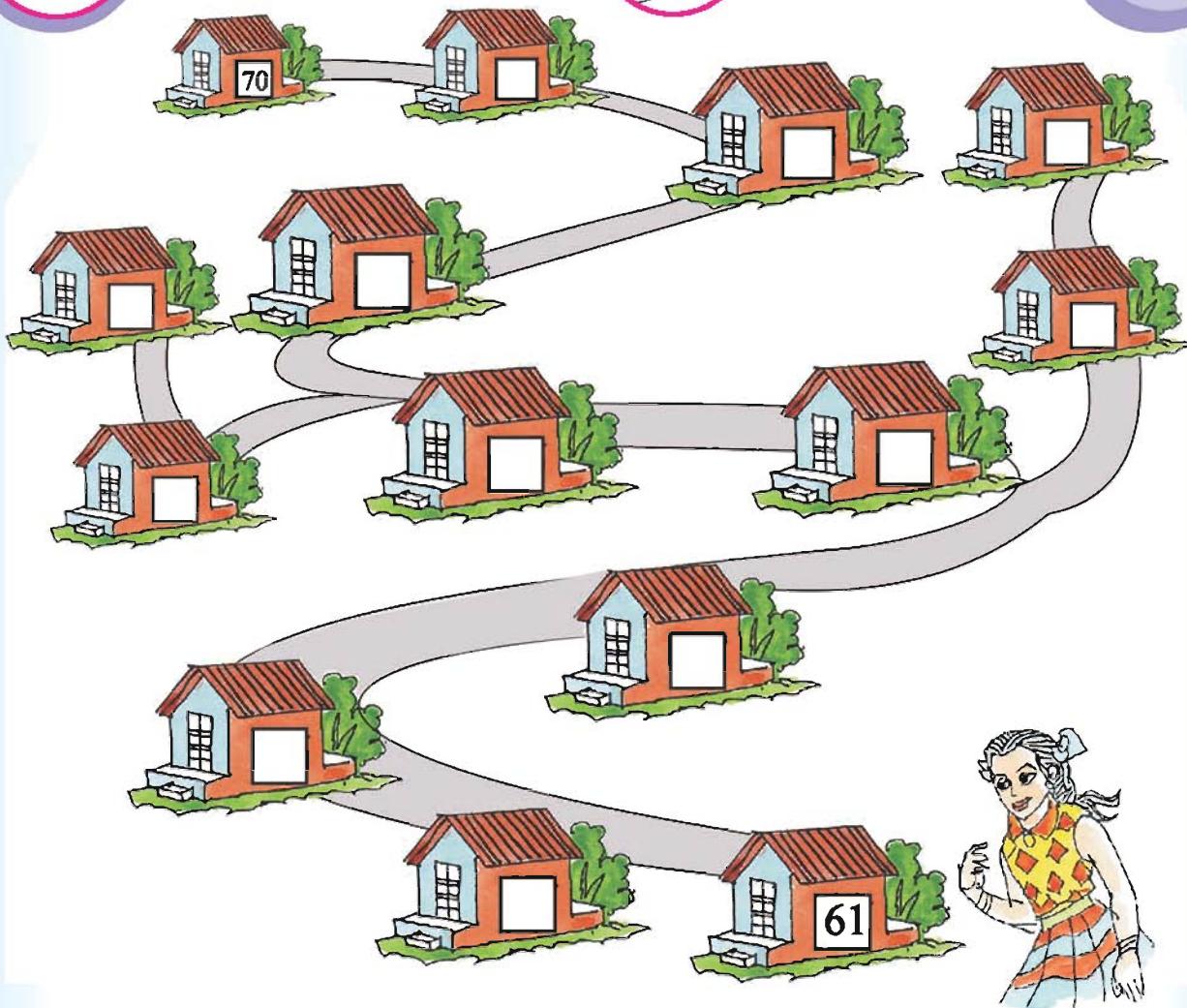




Think and Say :



Write :



- 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

35

62

53

66

78

89

72

80

81

34

49

60

93

84

99

94



Write :

92

93

94

77

79

86

88

46

48

51

53

64

66

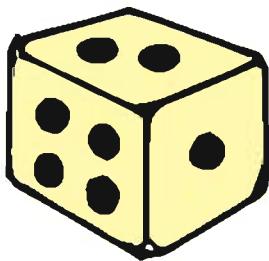
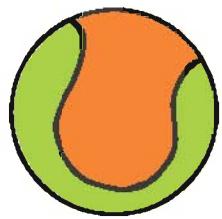
80

82

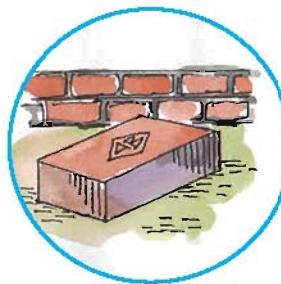
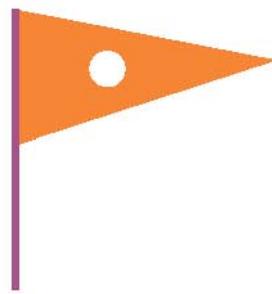
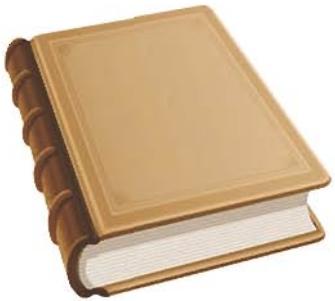
89

91

Observation :



Think and Say :



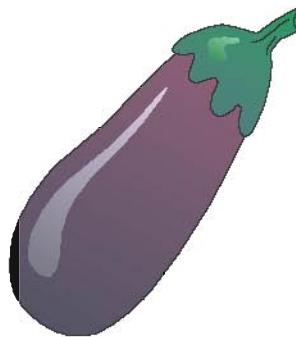
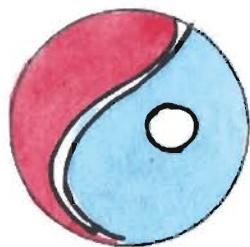
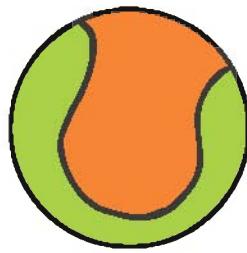
Book

Flag

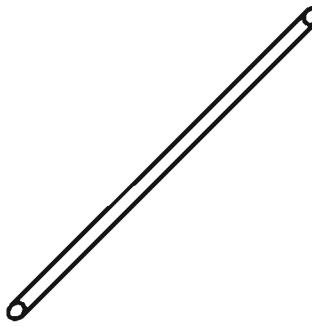
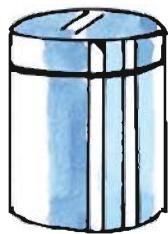
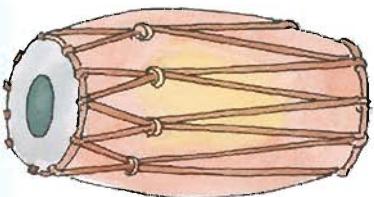
Brick



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 :

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

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

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

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

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

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

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

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

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



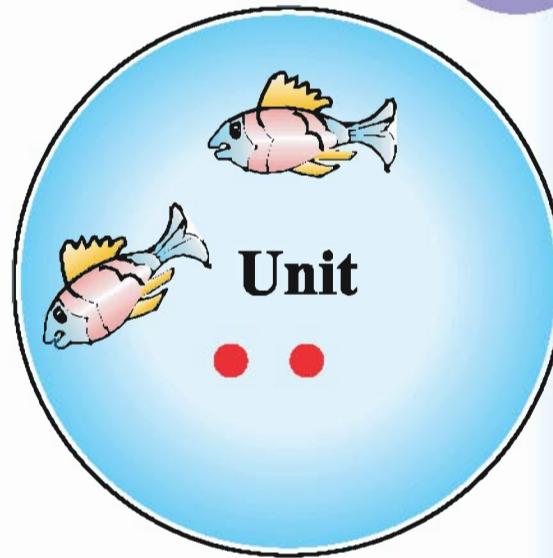
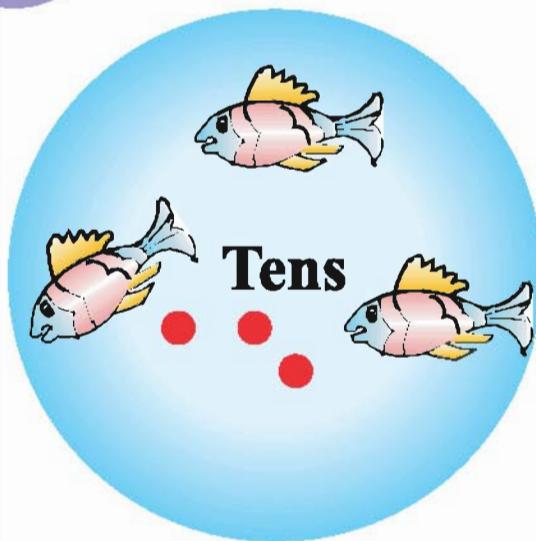
Activity :

- **Paper Boat :**





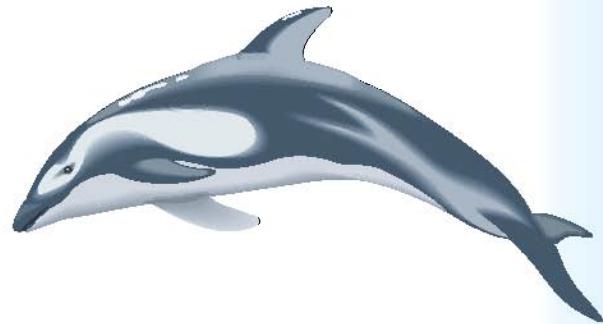
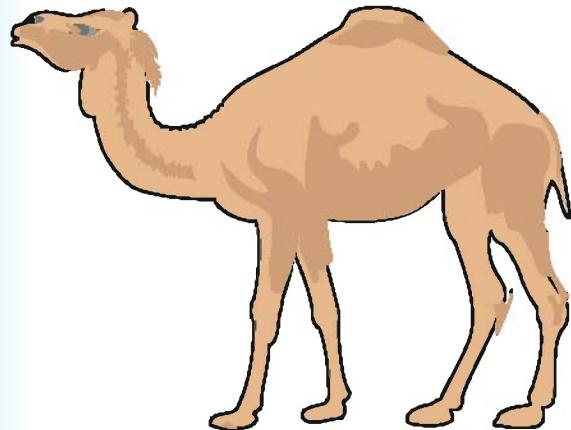
Indoor Game :



Tens	Units	Number
3	2	32



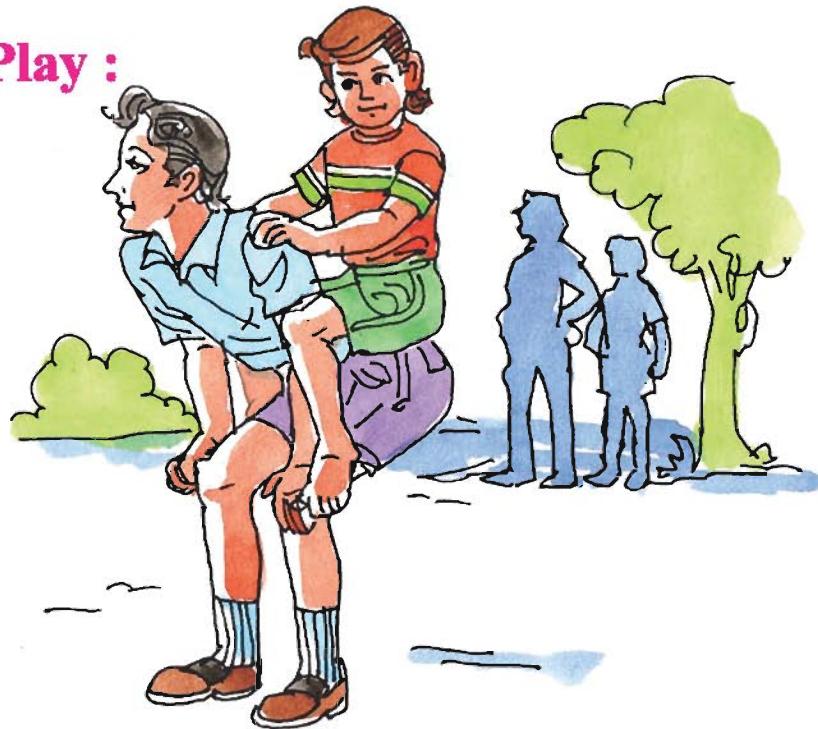
Discussion :



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

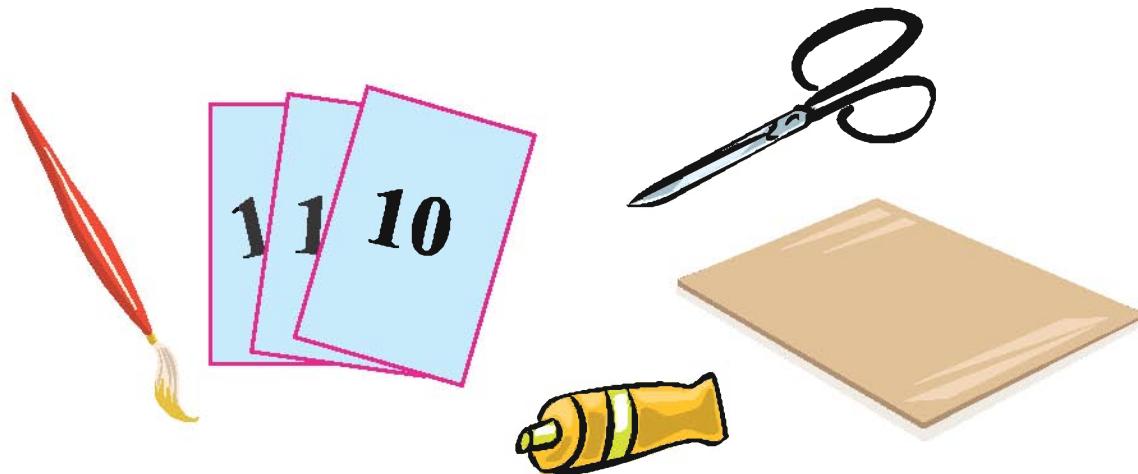


Role Play :

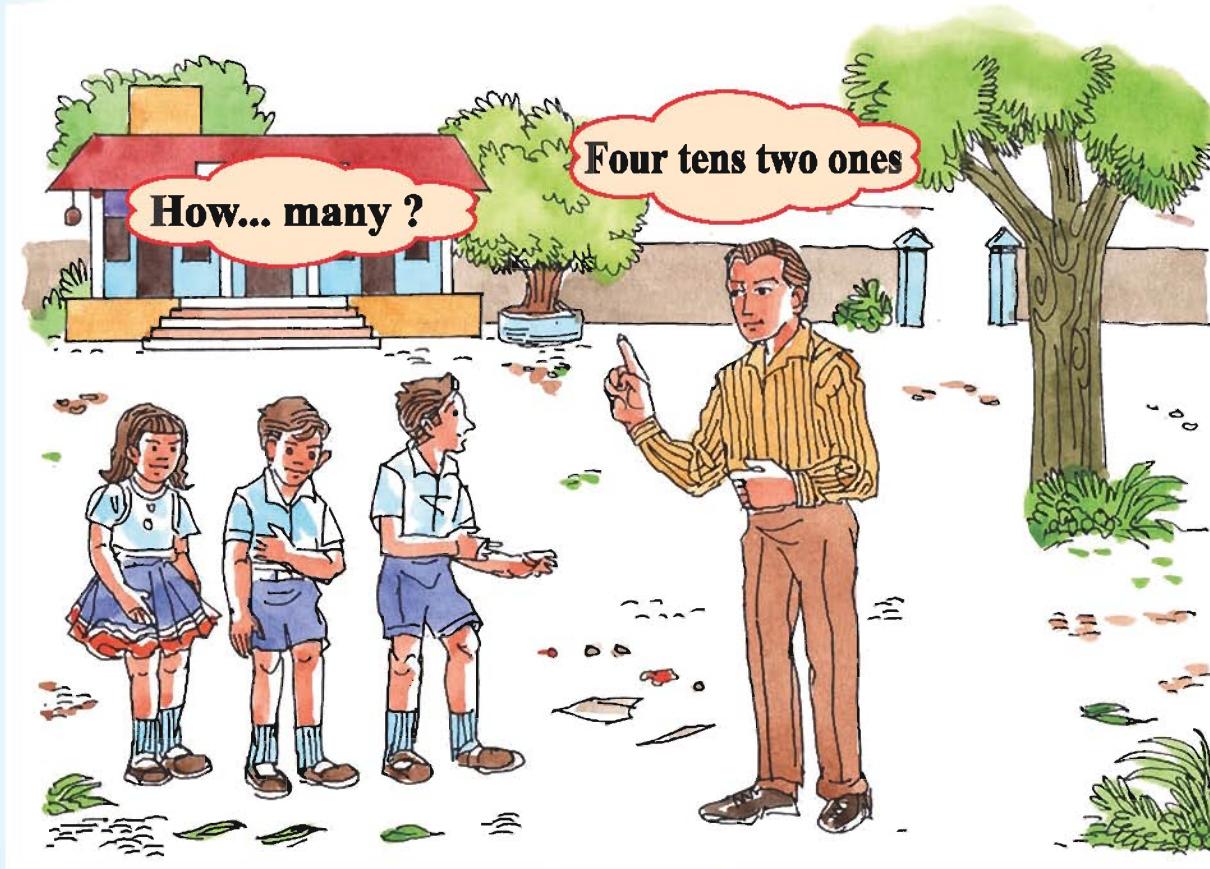




Activity :



Outdoor Game :

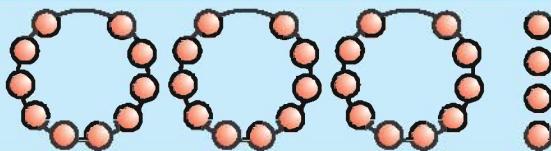




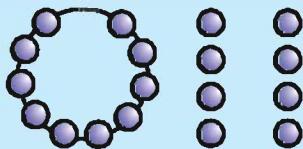
Activity :



Discussion :

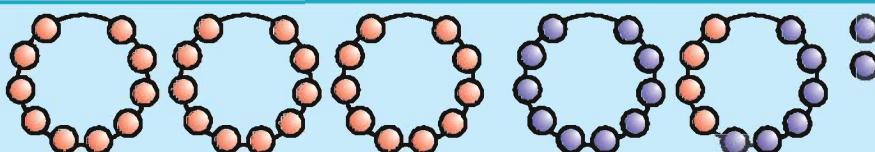


34



+ 18

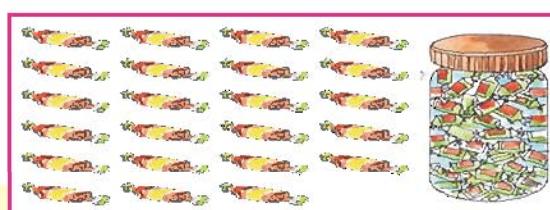
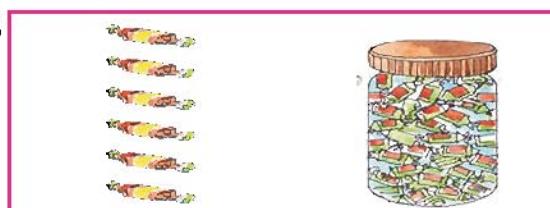
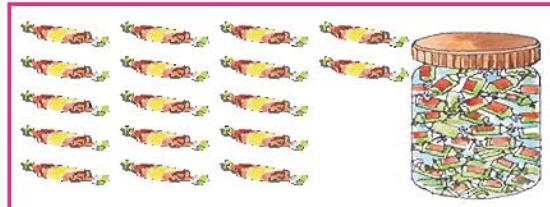
52



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?

$$\begin{array}{r}
 & 1 \swarrow 7 \\
 & + 6 \\
 \hline
 & 1 \circlearrowleft 3 \\
 \hline
 & 2 3
 \end{array} \quad \text{Chocolates} \quad \text{Chocolates} \quad \text{Chocolates} \quad \text{Chocolates}$$





Observation :



Discussion :

$$\begin{array}{c} \triangle \\ 36 \end{array} + \begin{array}{c} \circ \\ 27 \end{array}$$

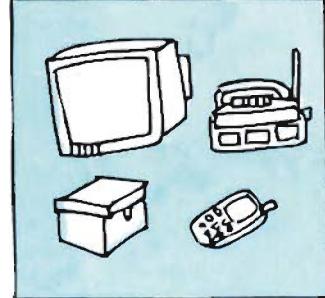
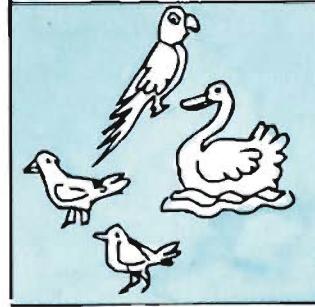
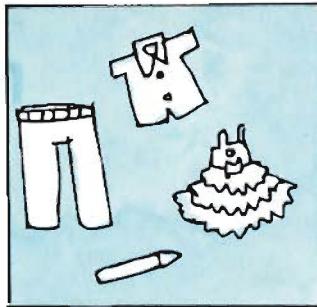
$$\begin{array}{c} \triangle \\ 25 \end{array} + \begin{array}{c} \square \\ 56 \end{array}$$

$$\begin{array}{r} 1 \\ - 36 \\ \hline + 27 \\ \hline 63 \end{array}$$

$$\begin{array}{r} 25 \\ - 56 \\ \hline \end{array}$$



Puzzle :





Write :

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

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

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

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

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

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

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

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

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

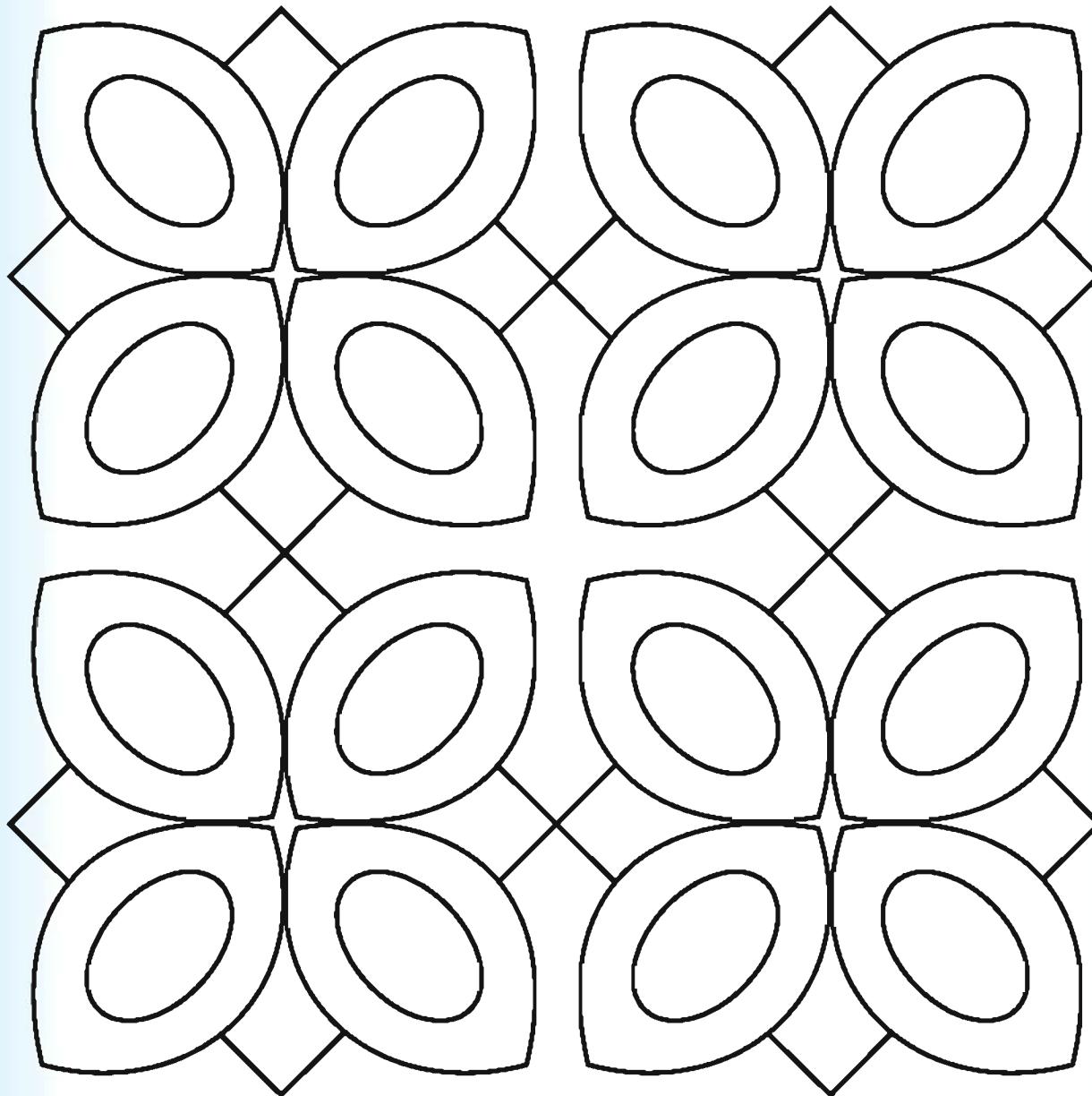
$$\begin{array}{r} 54 \\ +37 \\ \hline \end{array}$$

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

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



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



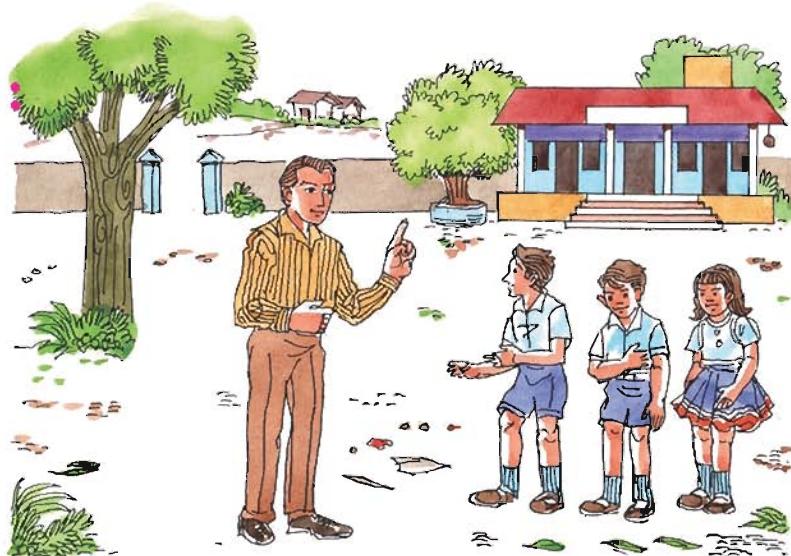
Observation :



Think and Say :



Discussion :





Read :



Role Play :





Colour :



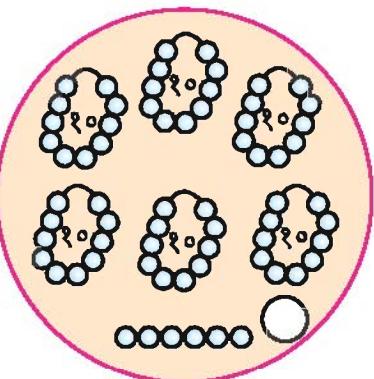
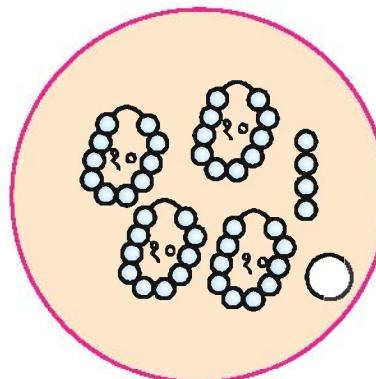
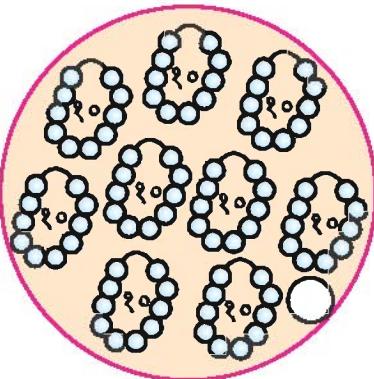
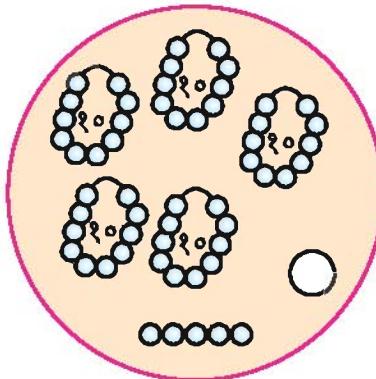
Discussion :

44

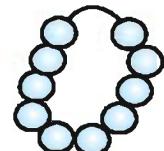
90

55

66



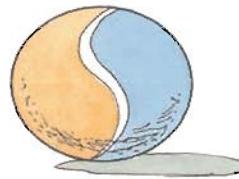
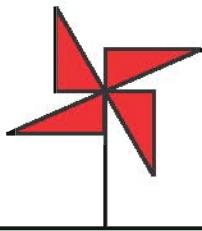
Puzzle :



3 rupees

10 rupees

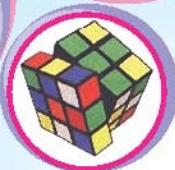
7 rupees



5 rupees

10 rupees

20 rupees



Puzzle :

14

52

45

34

28

63

$$\begin{array}{r} \boxed{} \\ + 1 4 \\ + 1 8 \\ \hline 6 0 \end{array}$$

$$\begin{array}{r} 1 4 \\ + \boxed{} \\ + \boxed{} \\ \hline 9 4 \end{array}$$

$$\begin{array}{r} \boxed{} \\ + 6 3 \\ \hline 9 1 \end{array}$$

$$\begin{array}{r} \boxed{} \\ - 1 4 \\ \hline \end{array}$$

$$\begin{array}{r} 4 5 \\ - \boxed{} \\ \hline 1 1 \end{array}$$

$$\begin{array}{r} \boxed{} \\ + \boxed{} \\ \hline 8 6 \end{array}$$



Colour :





Count :



Discussion :

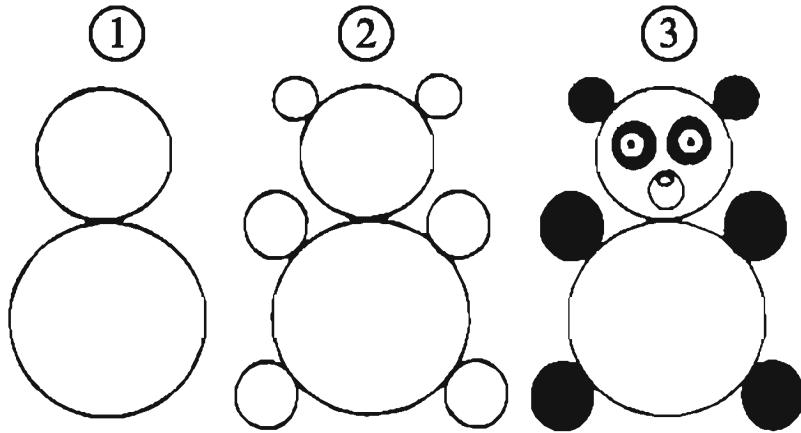
$$20 = 10 + 10$$

$$\Rightarrow 10 + 5 + 5$$

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

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

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



Puzzle :

$$30 = 10 + 10 + 10$$

$$\Rightarrow \underline{\hspace{10cm}}$$

$$\Rightarrow \underline{\hspace{10cm}}$$

$$\Rightarrow \underline{\hspace{10cm}}$$

$$\Rightarrow \underline{\hspace{10cm}}$$

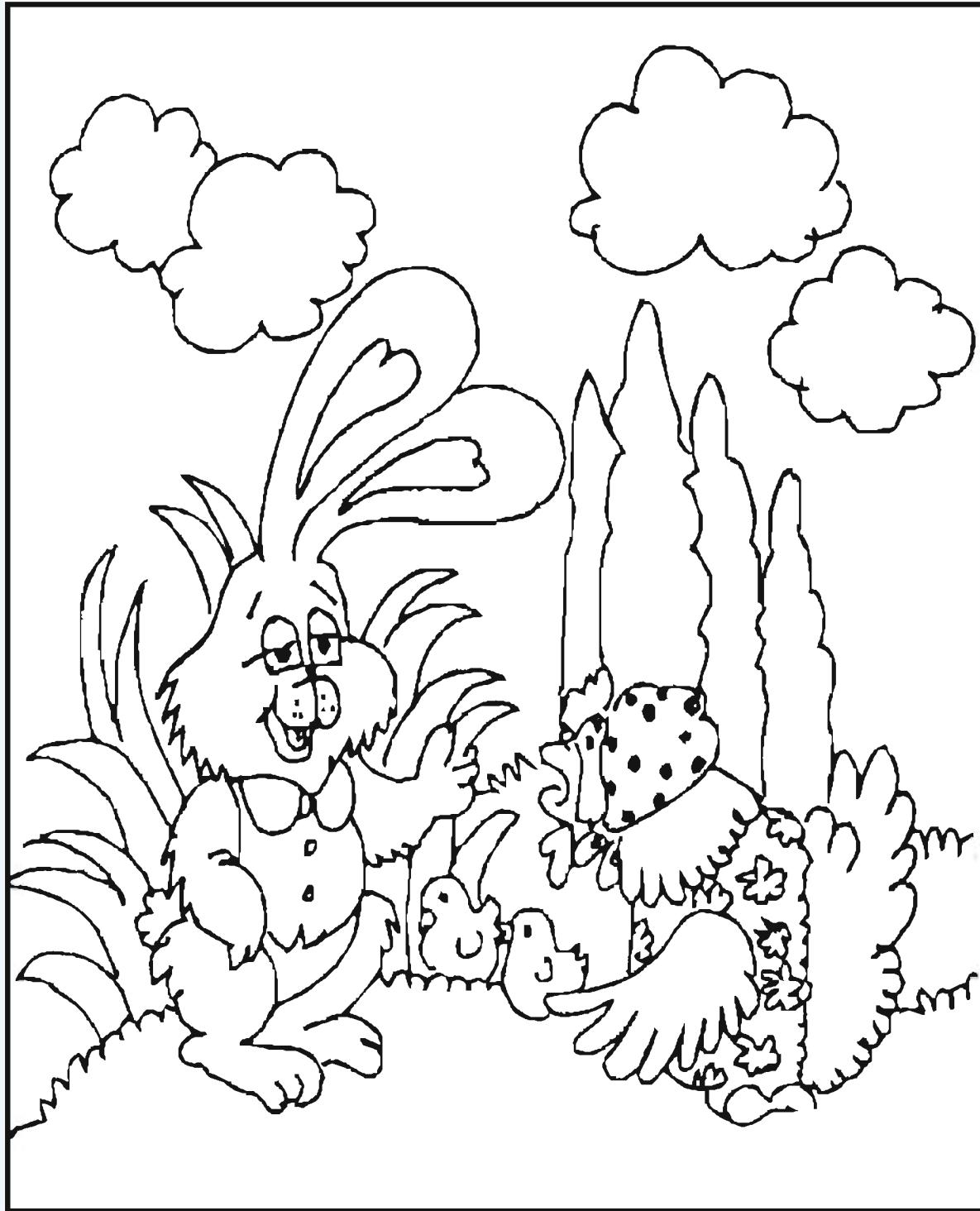


Puzzle :

$23 + 18 =$		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 :



• • •