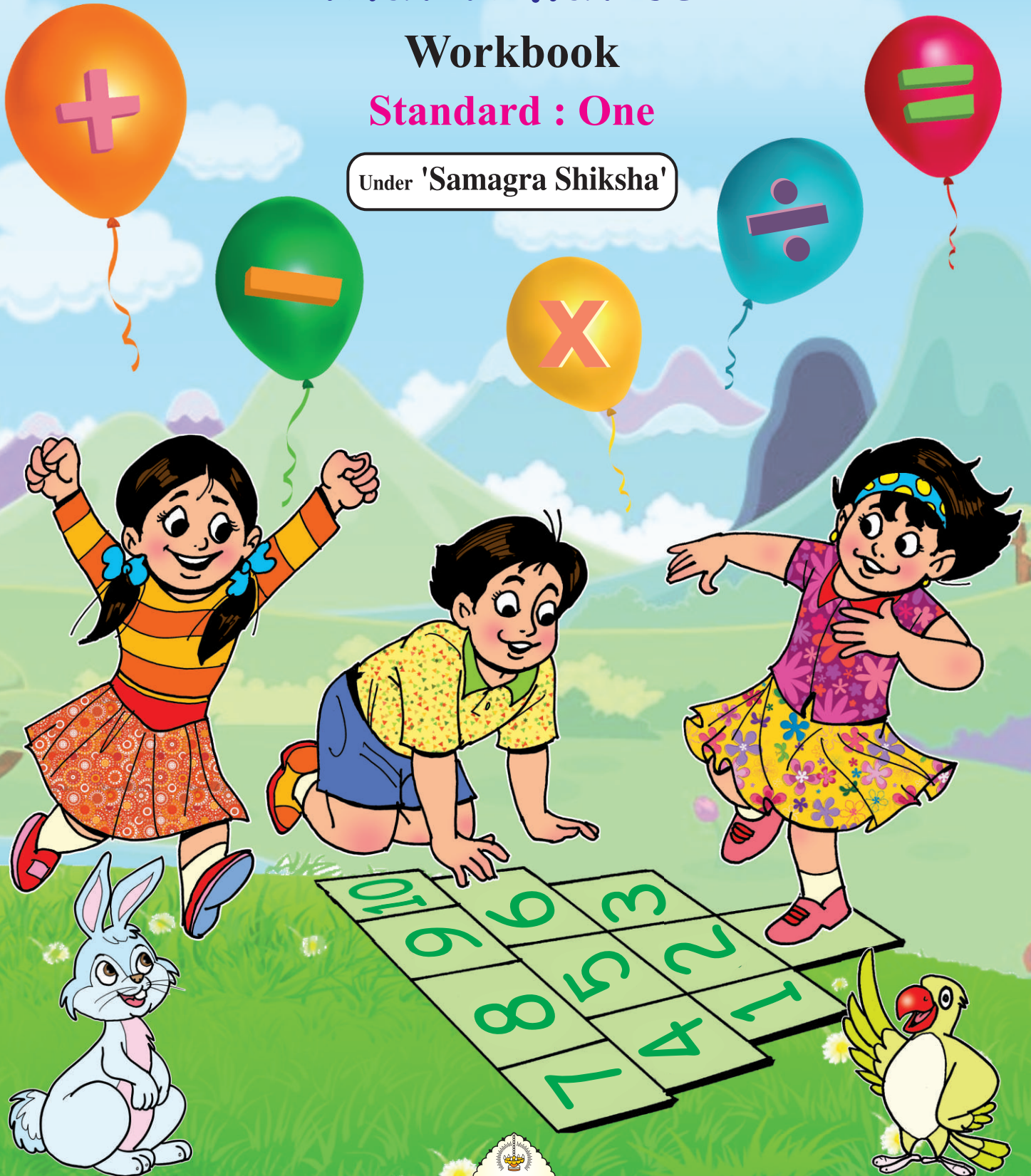# Let's do friendship with Mathematics

Workbook

Standard : One

Under 'Samagra Shiksha'

State Council of Educational Research and Training, Maharashtra, Pune.

Let's do friendship with Mathematics : Workbook : Standard One

Let's do friendship with Mathematics

Workbook

Standard : One

Under **'Samagra Shiksha'**

Name : _____

School : _____

Standard : _____ Division : _____

State Council of Educational Research and Training,
Maharashtra, Pune.
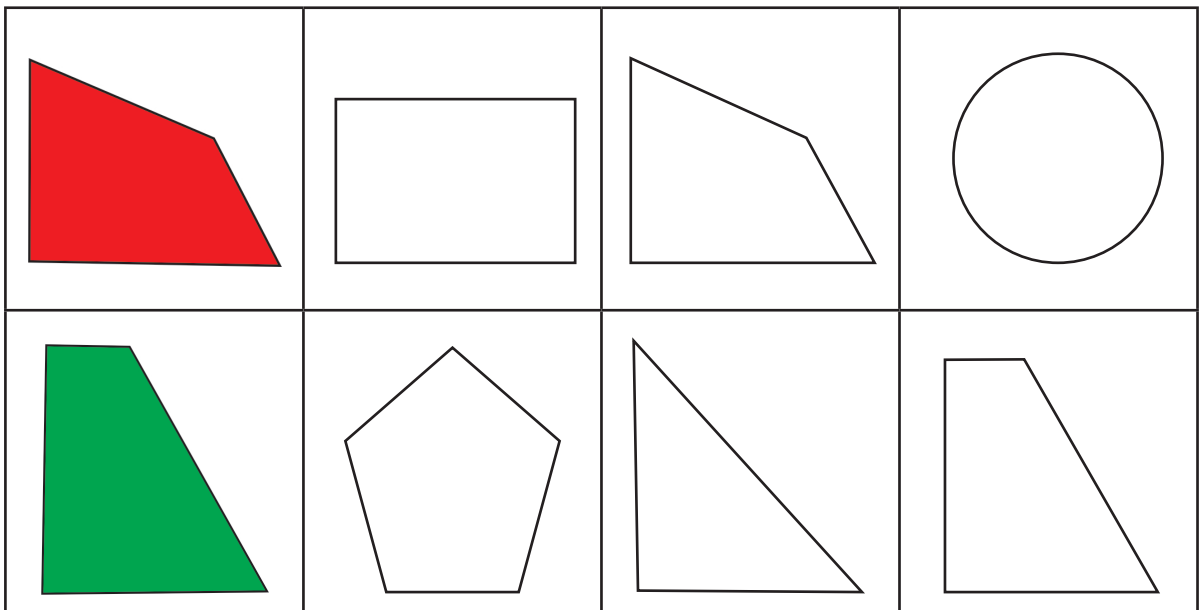
Index

1. Fun Time

❖ **Encircle the odd one.**
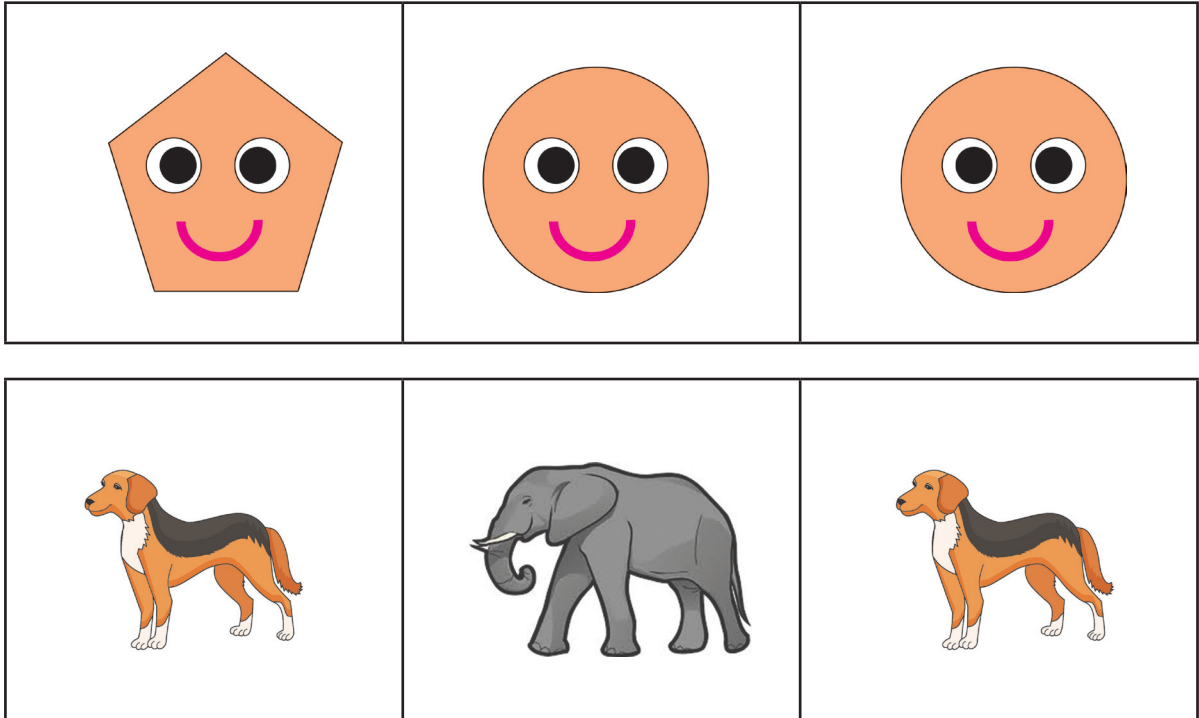
❖ **Colour the similar figure.**

❖ **Colour the middle mouse.**
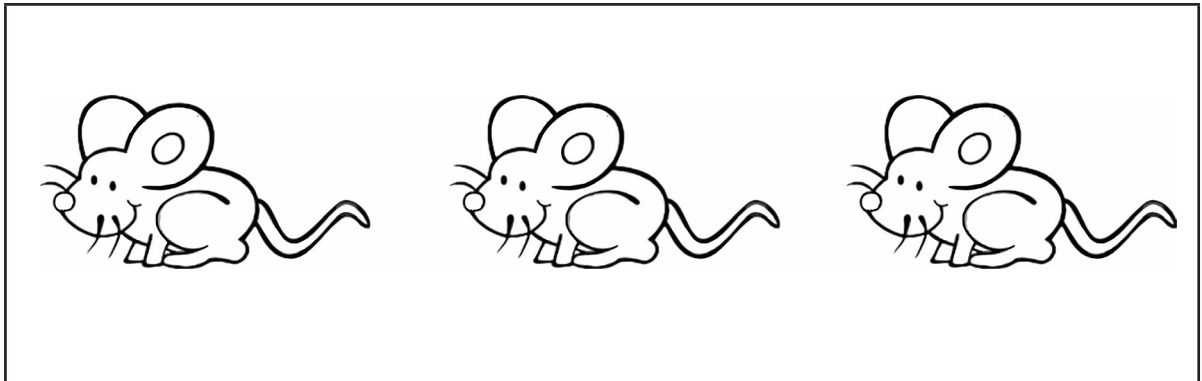
❖ **Colour the box below the house having white wall and a fence around it.**

❖ **Join the circles of same colour.**
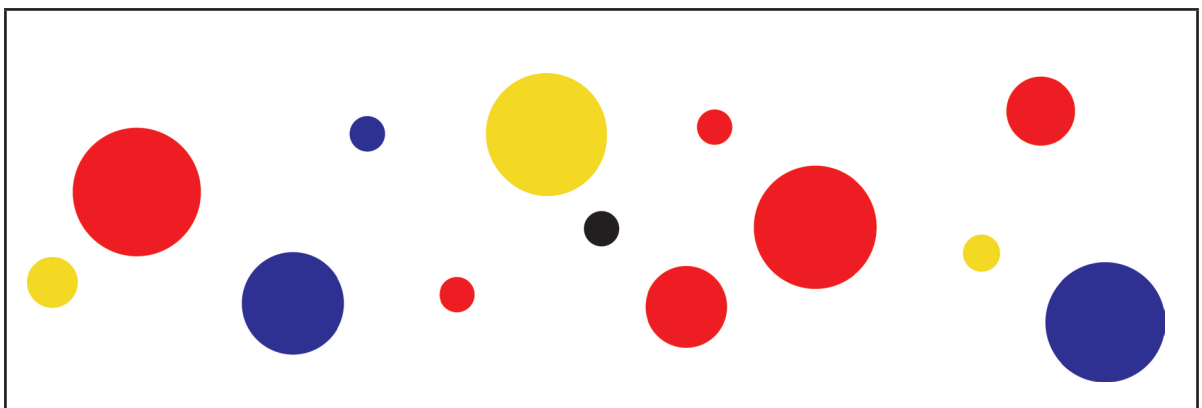
❖ **Tell your friends the difference between two pictures.**

❖ **Without cutting, Which vegetables will fit into the bowl shown below ? Do tick mark (✓) on it.**

2. Small - Big

❖ **Tick mark (✓) in the box below the bigger chair.**

❖ **Tick mark (✓) in the box below the smaller pot.**

❖ **Tick mark (✓) in the box below the smaller T.V.**
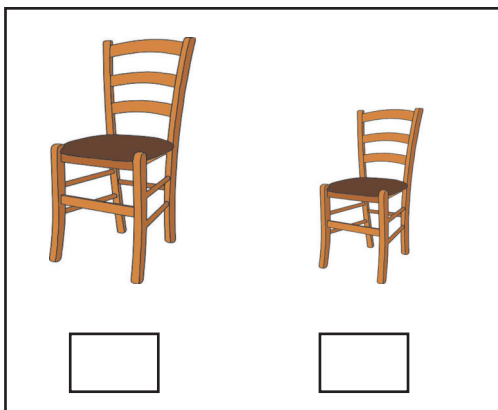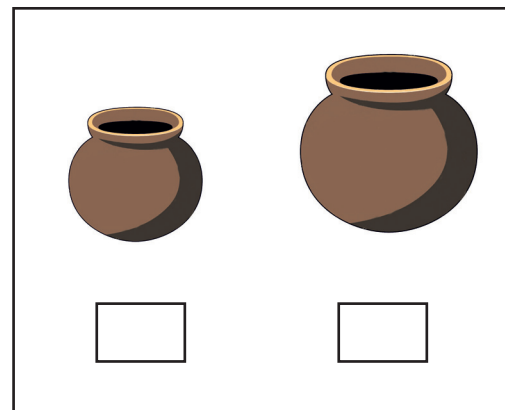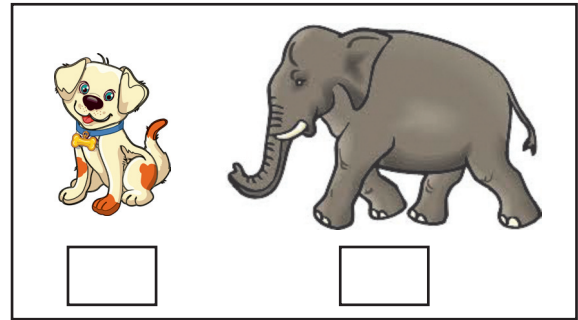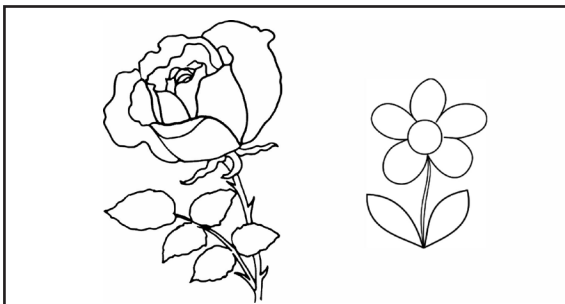
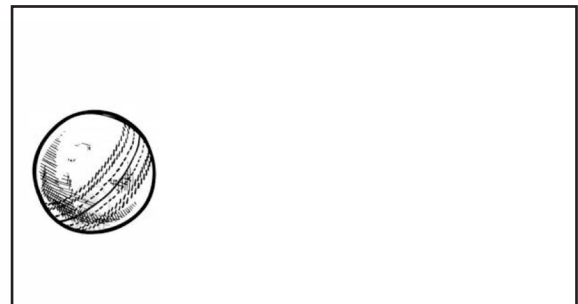❖ **Tick mark (✓) in the box below bigger animal.**
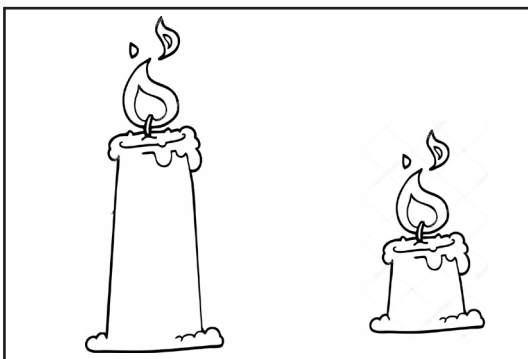
❖ **Encircle the smallest vessel.**
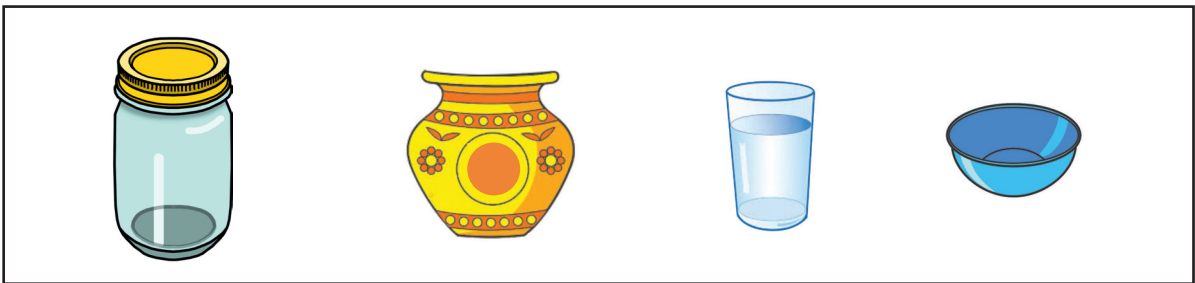
❖ **Colour the smaller flower.**

❖ **Draw a bigger ball than the given ball.**
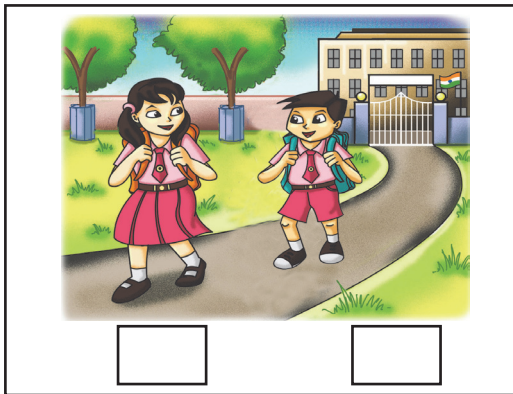
❖ **Colour the bigger candle.**

❖ **Tell your friends.**

- The names of animals that are smaller than a cow.
- The names of animals that are bigger than a cat.
- The name of the biggest animal that you know.

3. Behind - Front

❖ **Who is in front ? Colour that box.**

❖ **Colour the chick which is in front and the one which is behind all.**
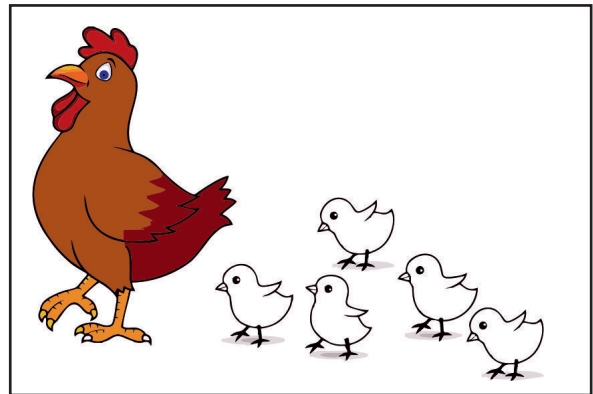
❖ **Is the bicycle in front or back of the bus ? Observe and tick mark (✓) in the proper box.**

behind ☐   front ☐

4. On - Under

❖ **Encircle the animal under the table.**
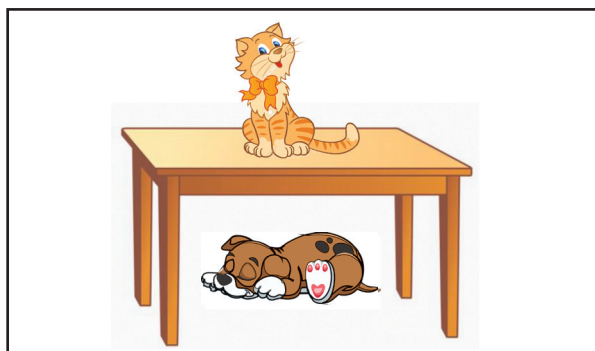
❖ **Draw the picture of a ball on the cupboard.**

❖ **Tick mark (✔) on the top most pot.**
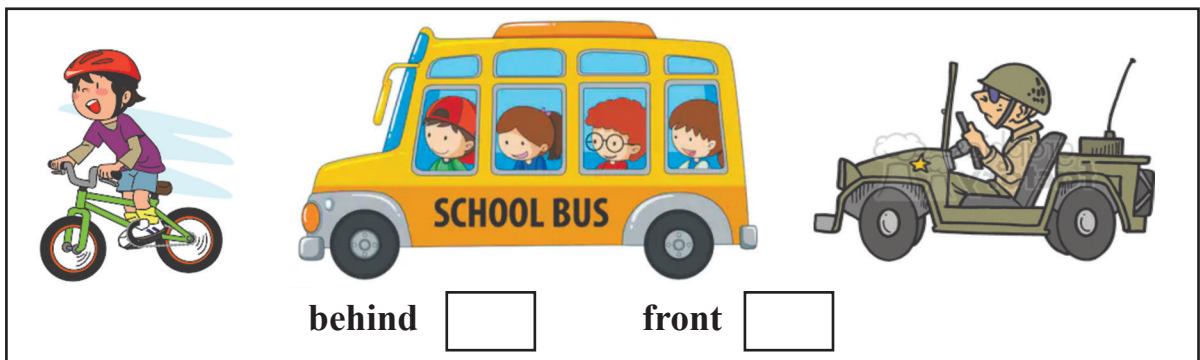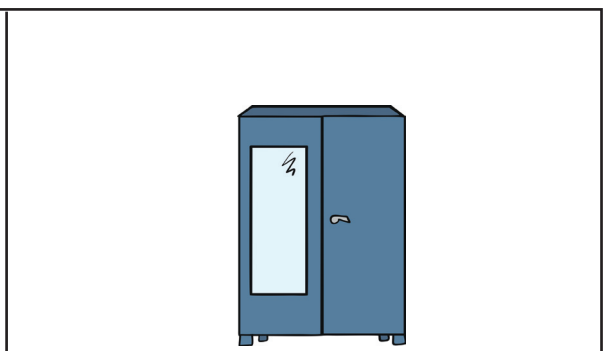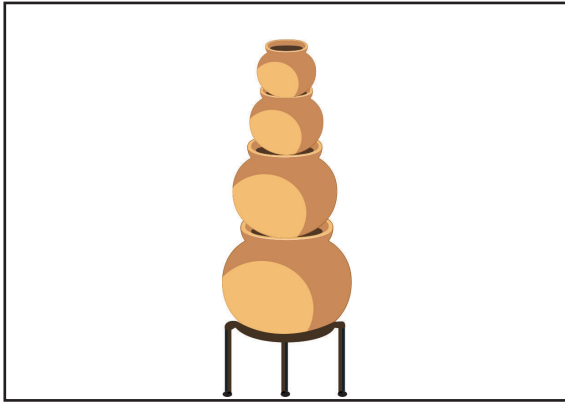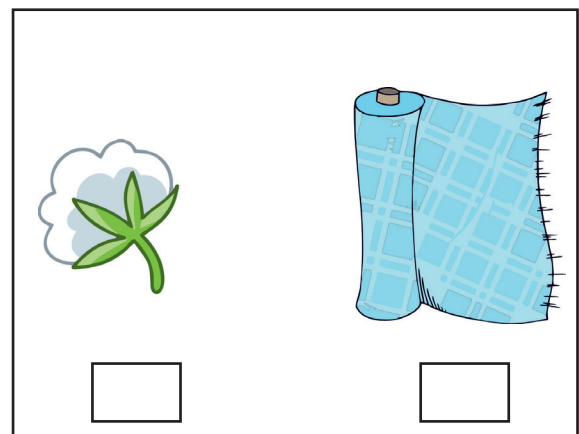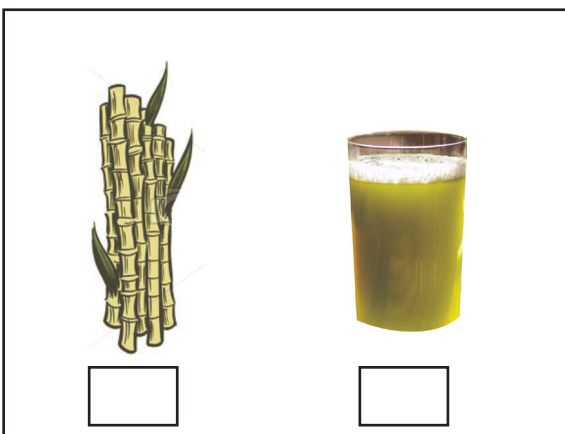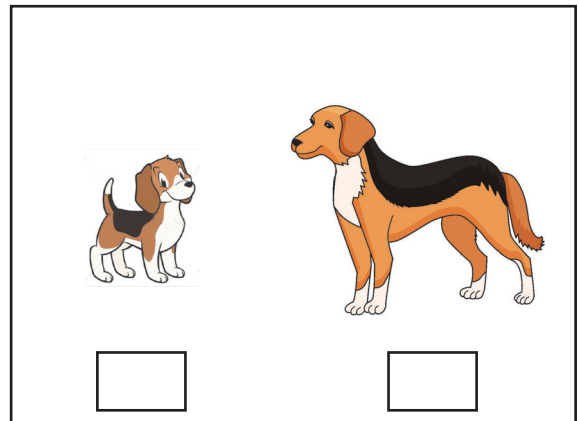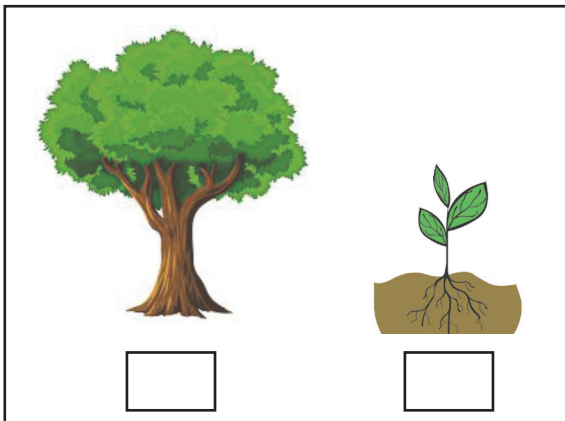
❖ **Tick mark (✔) on the smallest ring which comes on the top when staked.**
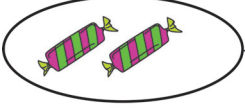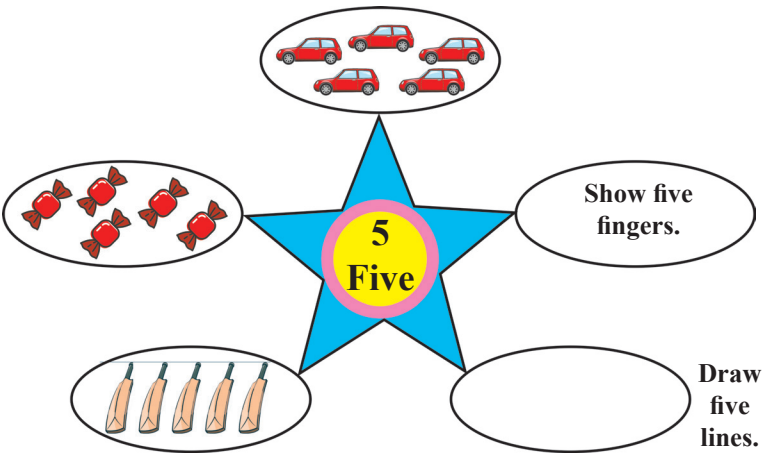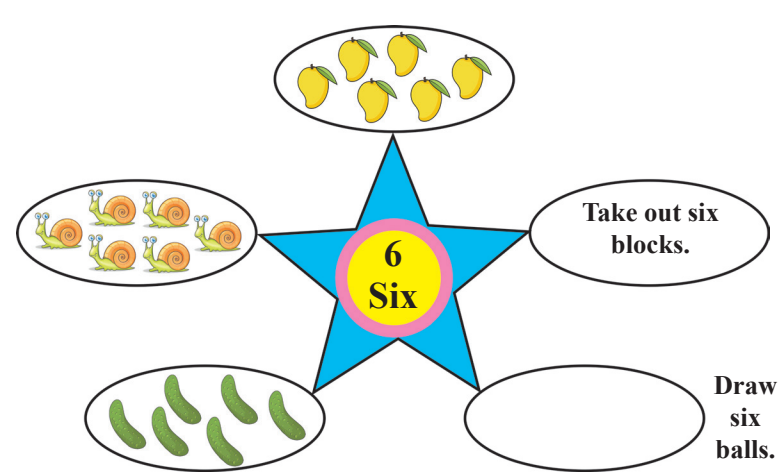
5. Earlier - Later

❖ **Mark (✔) which comes earlier and (✘) for later in the given boxes.**

6. Practice - 1 to 9

Stick one seed.

1 One

Draw one star.

Trace and Write 1.

1 1 1 1			
1 1 1 1			

Clap two times.

2 Two

Draw two lines.

Trace and Write 2.

2 2 2 2			
2 2 2 2			

Jump three times.

3 Three

Draw three beads.

Trace and Write 3.

3 3 3 3			
3 3 3 3			

कल्याण मैत्री गणिताशी – कार्यपुस्तिका : गणित
इयत्ता पहिली (इंग्रजी माध्यम)

Trace and Write 4.

4	4	4	4
4	4	4	4

4 Four

Snap your fingers four times.

Draw four dots.

Trace and Write 5.

5	5	5	5
5	5	5	5

5 Five

Show five fingers.

Draw five lines.

Trace and Write 6.

6	6	6	6
6	6	6	6

6 Six

Take out six blocks.

Draw six balls.

Trace and Write 7.

7	7	7	7
7	7	7	7

Collect seven leaves.

7 Seven

Draw seven beads.

Trace and Write 8.

8	8	8	8
8	8	8	8

Collect eight seeds.

8 Eight

Draw eight dots.

Trace and Write 9.

9	9	9	9
9	9	9	9

Make a garland of nine beads.

9 Nine

Draw nine lines.

❖ **Count and join to the correct number.**

❖ **Make a cross (✘) on the pictures more than the given number.**

❖ **Observe the picture. Count the things and write the number in the given box.**

✏️ | **4**

📐 | ☐

🗃️ | ☐

🥤 | ☐

⏰ | ☐

🧽 | ☐

❖ **Write the missing numbers serially.**

| 1 | | 3 | | 5 | | | 8 | |
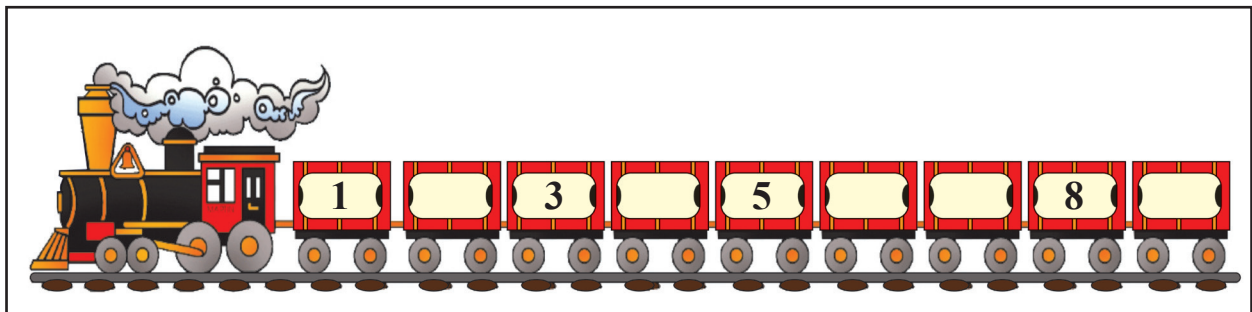
7. What is Zero ?

❖ **Count the fishes and encircle the correct number.**
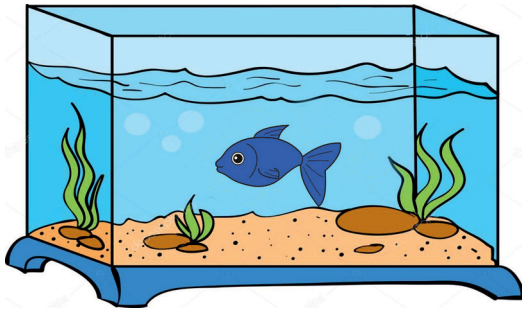
0	1	2
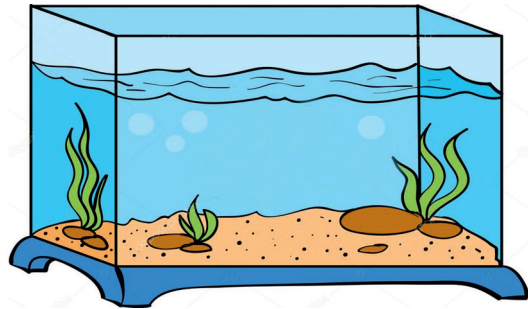
0	1	2

There are ☐ biscuits in the jar.   Now there are ☐ biscuits in the jar.
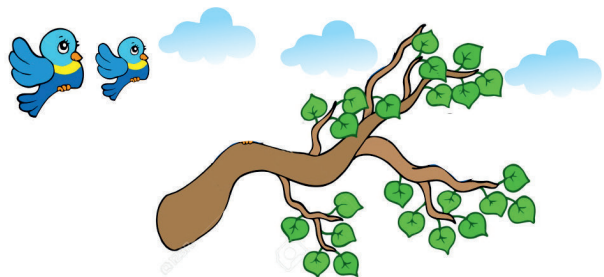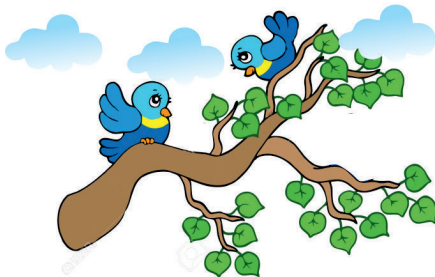
There are ☐ birds on the branch.   Now there are ☐ birds on the branch.
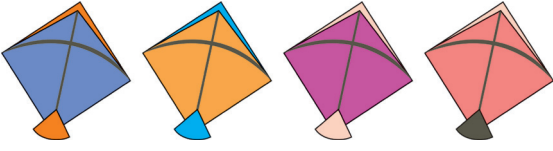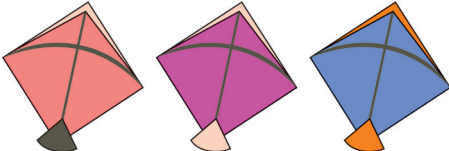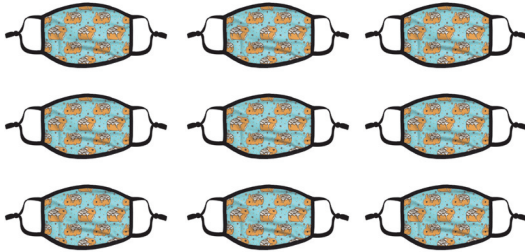
Sonu had ☐ balloons in his hand.   Now Sonu has ☐ balloons in his hand.
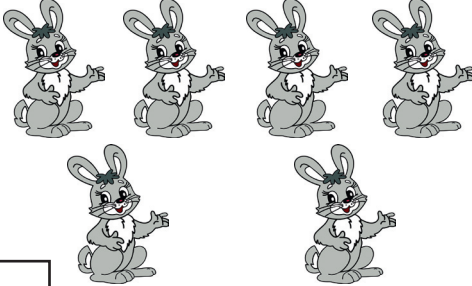
8. Less - More

❖ **Compare and colour the** ☐ **having less things.**

[Box with 4 kites] ☐ | ☐ [Box with 3 kites]

[Box with 9 masks] ☐ | ☐ [Box with 8 soap dispensers]

[Box with 4 cats] ☐ | ☐ [Box with 6 rabbits]

❖ **Paste stars/beads less than 9.**   ❖ **Paste stars/beads more than 5.**
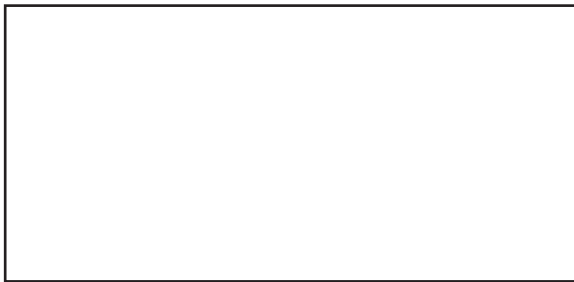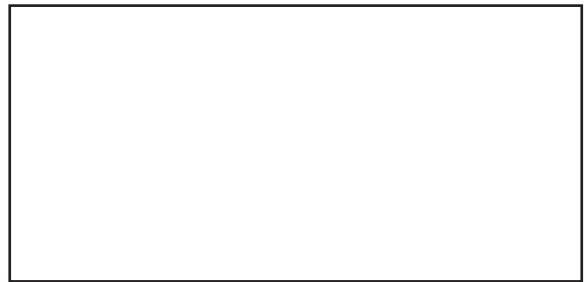
9. Increasing - Decreasing Order

❖ **Do tick mark (✓) in the box which shows increasing order.**
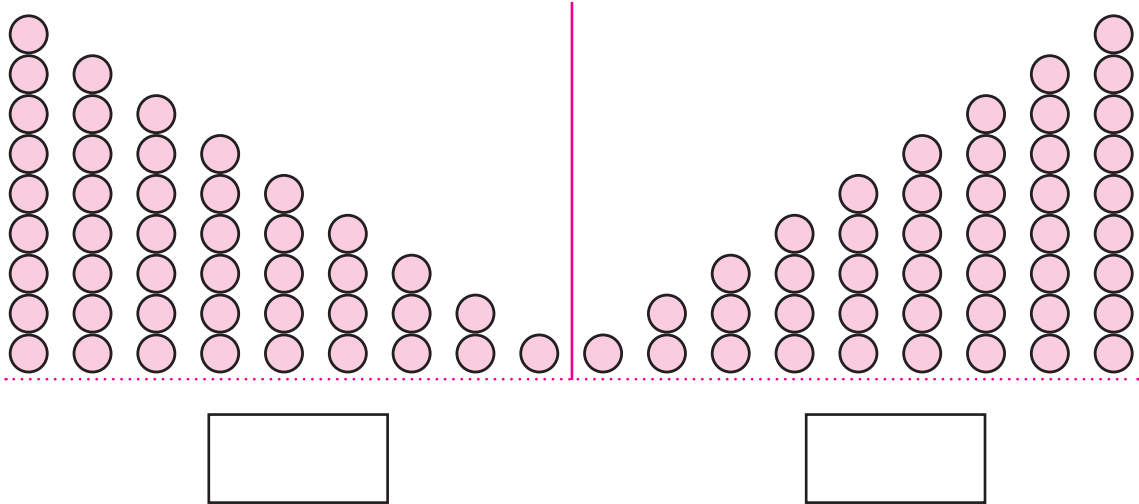
❖ **Write the numbers in increasing order.**

1

4
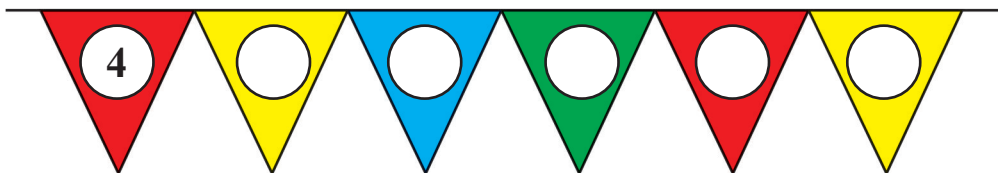
❖ **Write the numbers in decreasing order.**

6

9
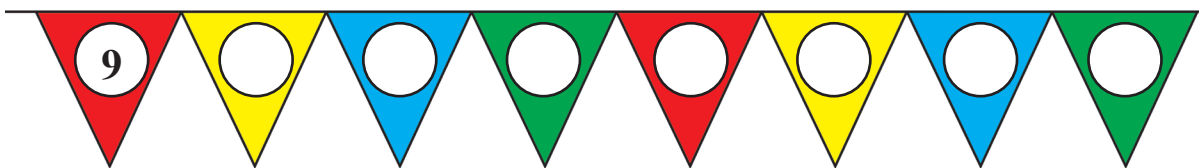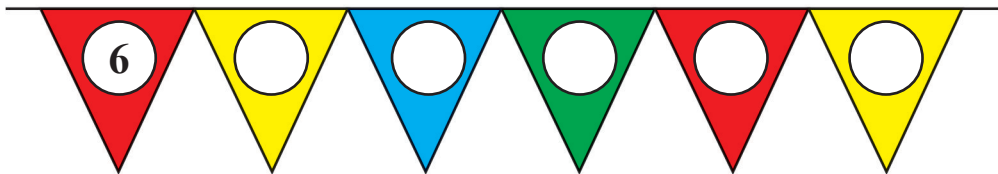
10. Let's Add

| 3 | Balloons | 2 | Balloons | Total Balloons | 5 |

| | Flowers | | Flower | Total Flowers | |

| | Puppies | | Puppies | Total Puppies | |
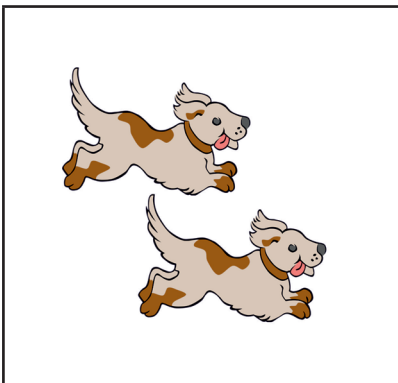
कक्षा मेत्री गणिताशी – कार्यपुस्तिका : गणित
इयत्ता पहिली (इंग्रजी माध्यम)
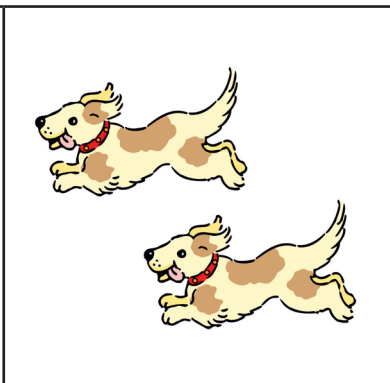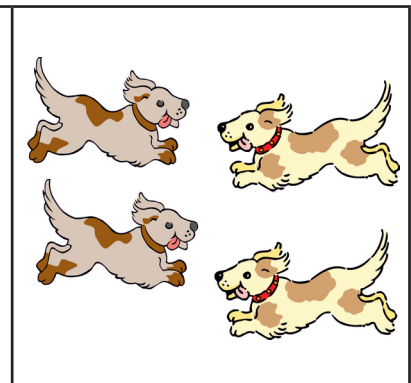
❖ **Count the things in the given picture and add them.**

5 pencils   plus   **3** pencils   is equal to [   ] pencils

5   **+**   **3**   **=** [   ]

[   ]   **+**   [   ]   **=**   [   ]

[   ]   **+**   [   ]   **=**   [   ]

[   ]   **+**   [   ]   **=**   [   ]

[   ]   **+**   [   ]   **=**   [   ]

+ □ □ = □

❖ **Solve.**

4 + 1 = □   5 + 2 = □   2 + 0 = □

3 + 5 = □   2 + 6 = □   4 + 5 = □

❖ **6 children can sit in each cradle. How many more children can sit in every cradle? Write that number in the box near it.**

❖ **Solve.**

4	1	5	4	0	6
+ 4	+ 8	+ 3	+ 0	+ 6	+ 3
☐	☐	☐	☐	☐	☐

3 + ☐ = 7

☐ + ☐ = 5

5 + ☐ = 9

☐ + ☐ = 3

☐ + 3 = 6

☐ + ☐ = 2

1 + 3 = ☐

3 + 1 = ☐

6 + 3 = ☐

3 + 6 = ☐

8 + ☐ = 9

1 + ☐ = 9

5 + 0 = ☐

0 + 5 = ☐

7 + 1 = ☐

1 + 7 = ☐

4 + 2 = ☐

☐ + 4 = 6

2 + ☐ = 8

☐ + 6 = 8

5 + 0 = 5

☐ + 5 = 5

7 + 2 = ☐

2 + ☐ = 9

From these examples teacher will draw the attention of the students towards 'commutative property of addition.'

❖ **Look at the numbers given in the box. Paint those many nails. One is solved for you.**

7	6	9
5 + 2	☐ + ☐	☐ + ☐

❖ **Read and solve. The first example is solved. Follow it.**

1) Geeta had 4 balls. Neeraja gave her 2 more balls. So, how many total balls does Geeta have ?

4	Balls with Geeta
+ 2	Balls given by Neeraja
6	Total Balls

2) Aman had 2 guavas. He bought 5 more guavas. So, how many total guavas Aman has now ?

☐	Guavas with Aman.
+ ☐	Guavas he bought.
☐	Total Guavas.

3) Josef has 7 chalks. Parmit has 2 chalks. Total how many chalks are there ?

☐	Chalks with Josef
+ ☐	Chalks with Parmit
☐	Total Chalks

4) Raj has 3 chikus. Sheetal has 4 bananas. What is the total number of fruits ?

+	☐ Chikus with Raj
	☐ Bananas with Sheetal
	☐ Total fruits

5) Grandma planted 4 rose plants in the garden. Grandpa planted 2 marigold plants. How many total plants were planted in the garden ?

+	☐ Rose plants
	☐ Marigold plants
	☐ Total plants in the garden

6) Rohit has 2 kites. Salim has 3 kites and John has 1 kite. In all how many kites with them ?

+	☐ Kites with Rohit
+	☐ Kites with Salim
	☐ Kite with John
	☐ Total kites

❖ **Check the sums and correct it in the boxes given below.**

6 + 3 = ☐ 8	3 + 1 = ☐ 5	3 + 0 = ☐ 4
☐ + ☐ = ☐	☐ + ☐ = ☐	☐ + ☐ = ☐
4 + 4 = ☐ 9	5 + 4 = ☐ 9	4 + 3 = ☐ 6
☐ + ☐ = ☐	☐ + ☐ = ☐	☐ + ☐ = ☐

11. Let's Subtract

6 – 2 = 4

4 – ☐ = ☐

☐ – 1 = ☐

☐ – ☐ = ☐
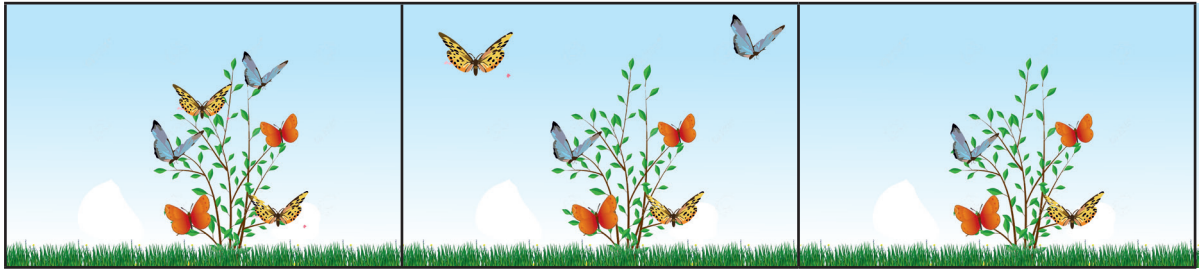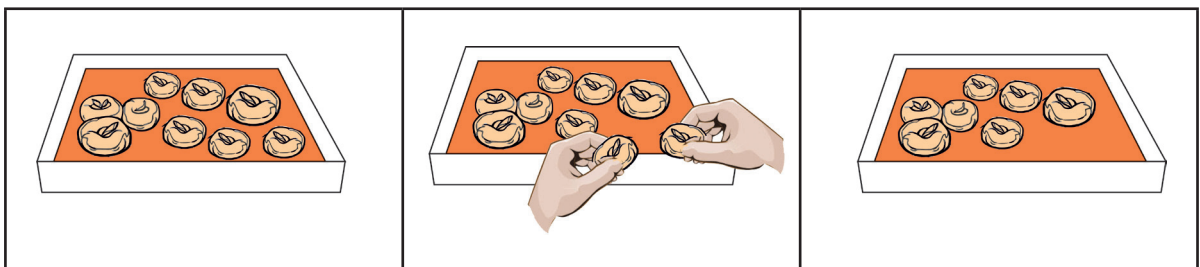
❖ **Look at the pictures and write the correct numbers in the boxes.**

4	− 1	= 3

7	−	=

5	− 0	=

❖ **Subtract.**

8 − 6 =	5 − 2 =	9 − 1 =
5 − 4 =	4 − 1 =	8 − 4 =
7 − 3 =	3 − 3 =	7 − 7 =
9 − 2 =	9 − 0 =	6 − 1 =
6 − 6 =	7 − 5 =	2 − 1 =

❖ **Solve.**

6 − 4 [ ]	6 − 1 [ ]	4 − 4 [ ]	8 − 5 [ ]	5 − 1 [ ]
9 − 5 [ ]	5 − 4 [ ]	9 − 8 [ ]	8 − 2 [ ]	6 − 3 [ ]
8 − 4 [ ]	8 − 8 [ ]	7 − [ ] 2	5 − [ ] 2	7 − [ ] 3

4 − [ ] = 3	8 − [ ] = 0	5 − [ ] = 2
6 − [ ] = 3	9 − [ ] = 4	7 − [ ] = 1

❖ **Subtraction : Word Problems**

1) Dhanesh had 4 pens. He gave 2 pens to Sai. So, how many pens left with Dhanesh ?

4	Pens with Dhanesh
− 2	Pens given to Sai
[ ]	Left with Dhanesh

2) Sumedh had 5 flowers. He used 3 flowers in the garland. Then how many flowers remained ?

− [ ]	Flowers with Sumedh
[ ]	Flowers used in garland
[ ]	Flowers remained

3) Kaveri read 2 stories out of 7 from her book. Then how many stories yet to read to complete the book ?

− [ ]	Total stories in the book
[ ]	Stories read by Kaveri
[ ]	Stories yet to read.

4) There were 8 mangoes on the tree. Due to wind 3 of them fell down. How many mangoes remained on the tree ?

− [ ]	Mangoes on the tree
[ ]	Mangoes fell down due to wind
[ ]	Mangoes remained on the tree

5) Salma has 6 notebooks and Atul has 4 notebooks. How many more notebooks does Salma have than Atul ?

− [ ]	Notebooks with Salma
[ ]	Notebooks with Atul
[ ]	More notebooks with Salma

❖ **I am a butterfly. Do the given operations as shown on my wings and fill the colours according to the answers you get.**

Answer	3	5	4	8	7	6	9
Colour	🟧	🟦	🟪	🟨	🟥	🟩	🟥

12. Understand 10

Trace and Write 10.			
10	10	10	10
10	10	10	10

10 Ten

Snap your fingers ten times.

Draw ten lines.

❖ **Colour 10 pictures.**

❖ **Help Rama and Shama to collect total 10 fruits.**
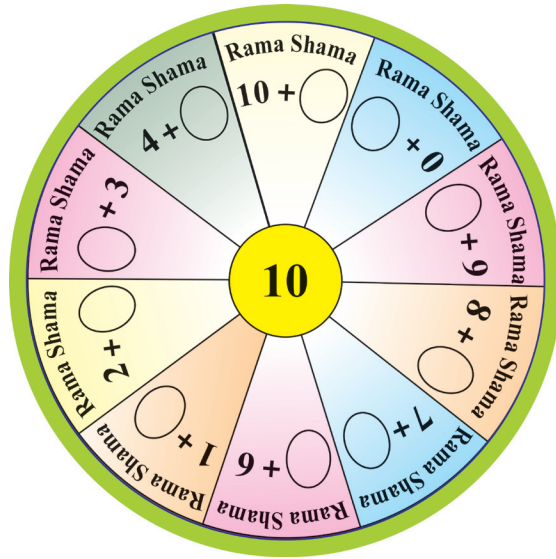
13. Identify Tens

Things	Tens		Things	Tens	
Units **10**	**Tens** **1**	**Units** **0**	**Units**	**Tens**	**Units**

❖ **Draw the beads in each garland for completing the string of Tens.**

Let's do friendship with Mathematics - Workbook : Mathematics - Std. One : 27
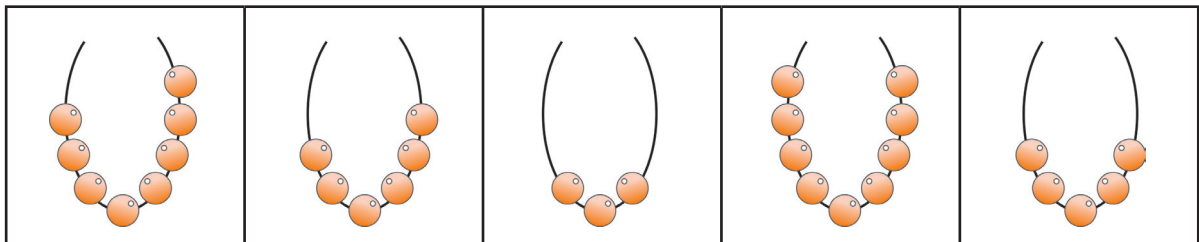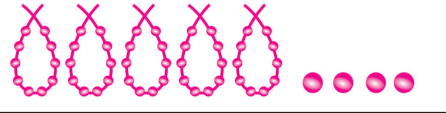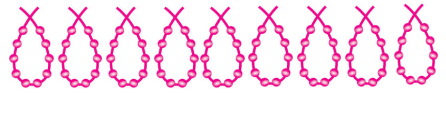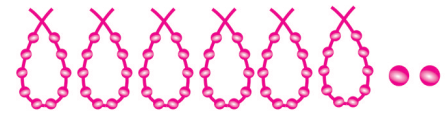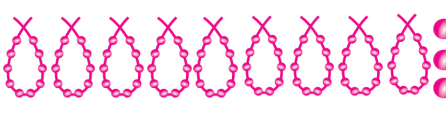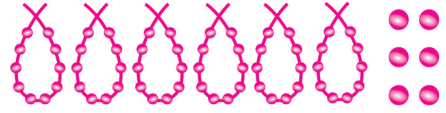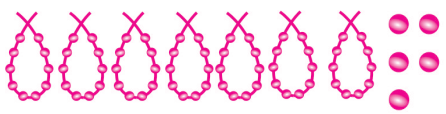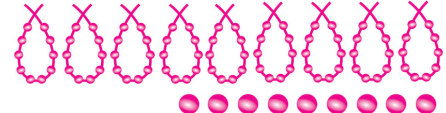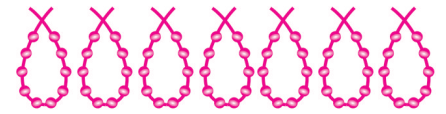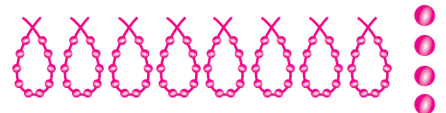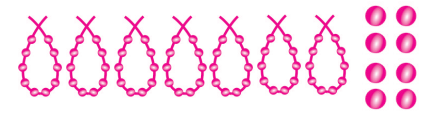
14. Friendship with Numbers

❖ **Count the pictures and match with numbers.**

	1	1

Tens   Units

Tens   Units

Tens   Units

Tens   Units

Tens   Units

Tens   Units

Tens   Units

Tens   Units

	1	1

❖ **Count the blocks and write the correct numbers in the given boxes.**
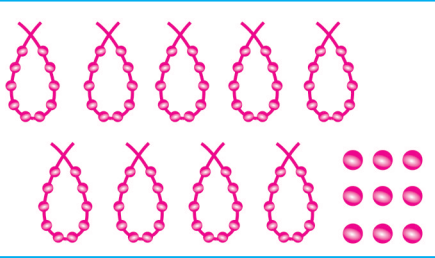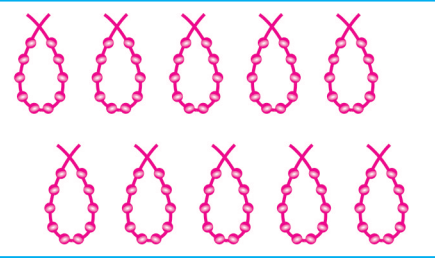
	Tens	Units	Number	Number in Words
	2	7	27	Twenty Seven
			31	Thirty One
	3	5		Thirty Five
	4		49	Forty Nine
	2	4		Twenty Four
	4			Forty
			43	Forty Three
	3	2		Thirty Two
	4			Forty Six
		8		Twenty Eight
	5			Fifty
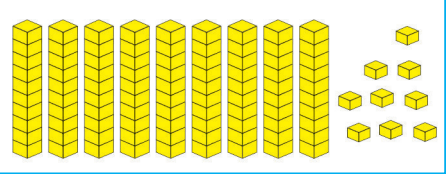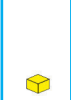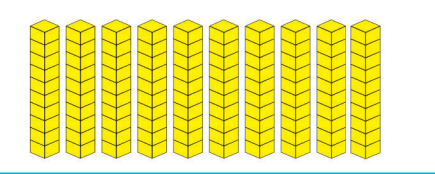
❖ **Count the beads and write the correct numbers in the given boxes.**
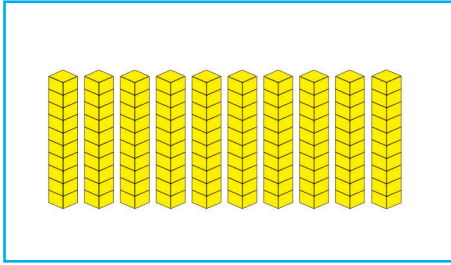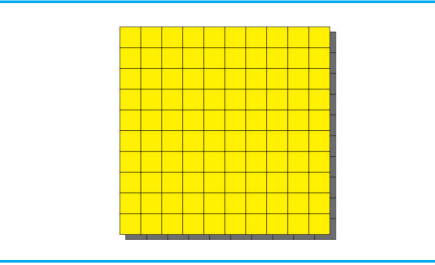
	Tens	Units	Number	Number in Words
	5	4		Fifty Four
			57	Fifty Seven
		0		Ninety
	6	2		Sixty Two
			93	Ninety Three
	6	6		Sixty Six
			75	Seventy Five
	9	9		Ninety Nine
	7			Seventy
		4		Eighty Four
	7	8		Seventy Eight

15. Hundred

❖ **Count and write the digits in Units, Tens and Hundred places.**

Tens	Units
9	9

+

Units
1

=

Tens	Units

10 Tens = 1 Hundred

Tens	Units

+

Units

=

Tens	Units
10	0

Tens	Units
10	0

=

Hundred	Tens	Units

10 Tens means 100 Units

Write the numbers just after 52.

52 | |
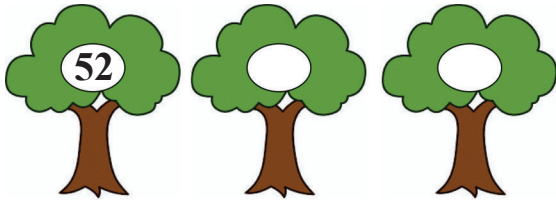
Write the numbers just before and after the given number.

 | 90 |

Write the middle number.

63 | | 65
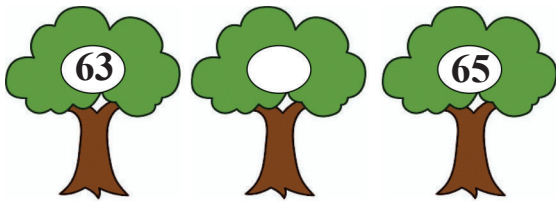
Write the numbers just before 35.

 | | 35

❖ **Complete the garland with numbers in order.**

57 | 58 | | | 61 | | | 64
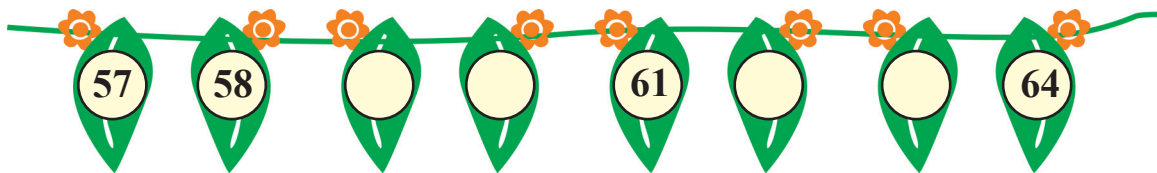
❖ **Write the missing numbers in order.**
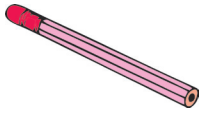
1		3	4		6		8		10
	12		14		16		18	19	
	22	23		25		27		29	30
31	32	33		35	36		38		40
41		43	44		46		48	49	
	52			55		57		59	60
61		63	64		66		68		70
71	72	73		75		77	78	79	
81		83	84		86	87		89	90
91	92		94	95		97	98		100

16. Currency : Notes and Coins
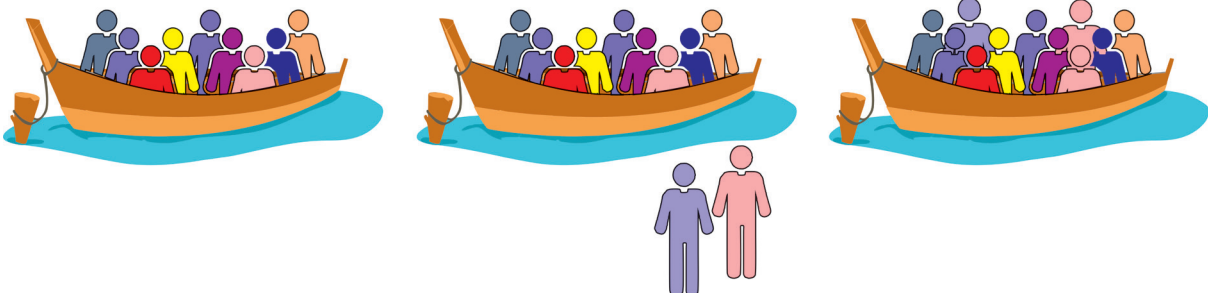
❖ **Colour the boxes of higher value notes/coins.**

1)	₹5 note	☐	₹2 note	☐
2)	₹10 note	☐	₹20 note	☐
3)	₹10 coin	☐	2, 2, 2, 2 coins	☐
4)	1, 1, 1, 1 coins	☐	₹5 note	☐

❖ **Write the cost of things in the given boxes.**

pencil	₹5 coin			☐
book	₹20 note	₹10 note		☐
pen	₹10 note	₹10 note		☐
box	₹50 note	₹5 coin		☐
top	₹10 note	₹10 note	₹5 note	☐

वर्ग मेत्री गणितार्शी – कार्यपुस्तिका : गणित इयत्ता पहिली (इंग्रजी माध्यम)
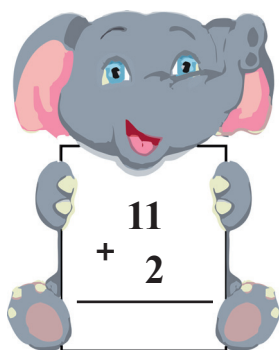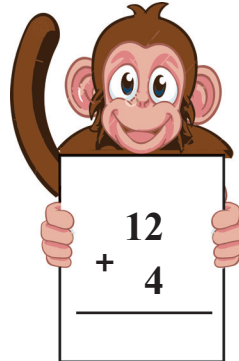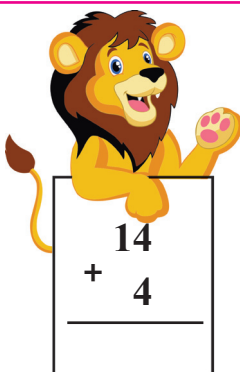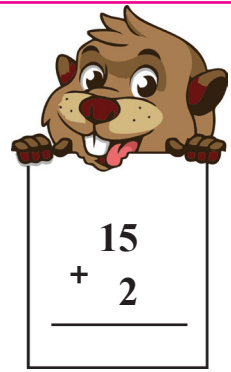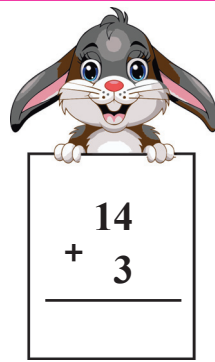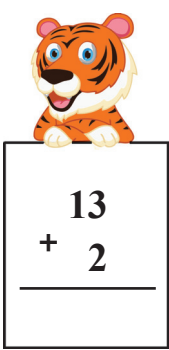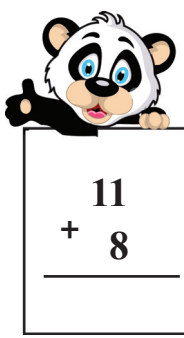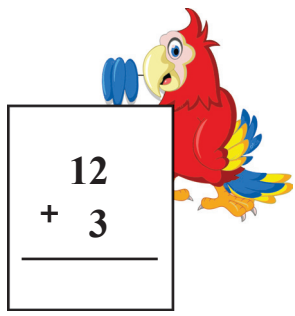
17. Add by counting forward

| 9 | + | 2 | = | 11 |

❖ **Solve.**
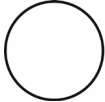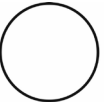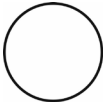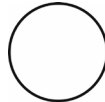
$$11 \atop + \; 2$$

$$12 \atop + \quad 4$$

$$14 \atop + \quad 4$$

$$15 \atop + \quad 2$$

$$14 \atop + \quad 3$$

$$13 \atop + \quad 2$$

$$11 \atop + \quad 8$$

$$12 \atop + \quad 3$$

❖ **Add by counting forward.**
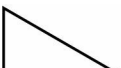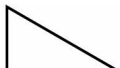
| 11 + 6 = | 13 + 3 = | 17 + 1 = | 14 + 4 = |
| 12 + 5 = | 15 + 2 = | 16 + 3 = | 18 + 1 = |

18. Patterns

❖ **Complete the given patterns as shown.**

| ⭕ | 😊 | ⭕ | 😊 | ⭕ | 😊 | ⭕ |

| ↑ | → | ↑ | → | | | |

| ☐ | △ | ☐ | △ | | | |

| 5 | 1 | 5 | 1 | | | |

| M | W | M | W | | | |

❖ **Make a pattern of colours.**

| ◺ | ◺ | ◺ | ◺ | ◺ | ◺ | ◺ |

| ◯ | ◯ | ◯ | ◯ | ◯ | ◯ | ◯ |

❖ **Create a pattern of your choice.**

| | | | | | | |

| | | | | | | |

19. In - Out

❖ **Colour the fruits which are out of the basket.**

❖ **Encircle the things which are in your school bag.**

20. Broad - Narrow

❖ **Tick mark (✓) the broader river bed.**
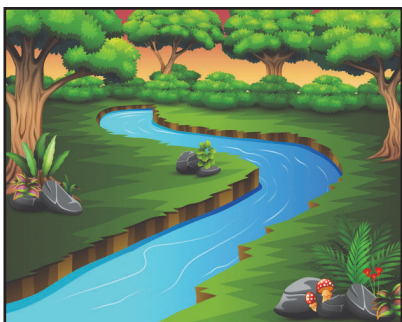
❖ **Tick mark (✓) near the narrow door.**

21. Identify the Shapes

❖ **Colour the similar shapes in same colour.**
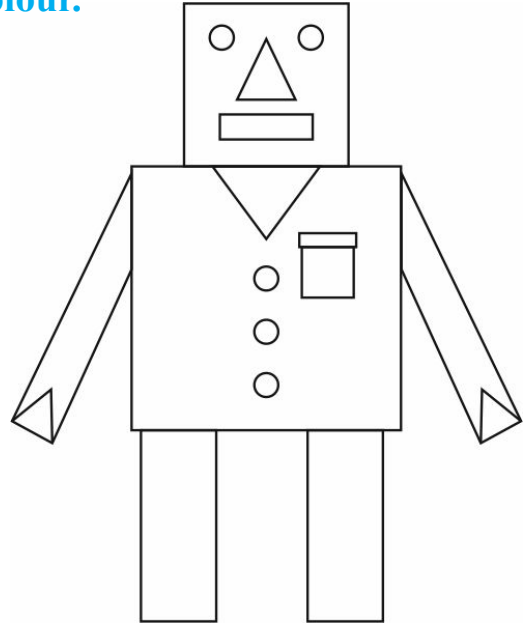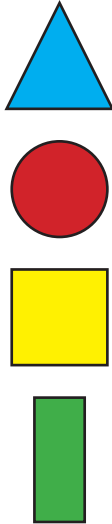
22. Long - Short

❖ **Draw the shorter picture of the given things.**
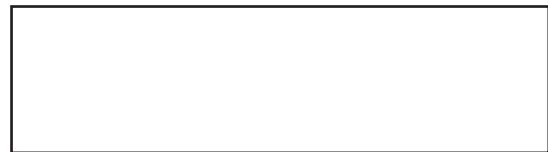
❖ **Write 1, 2, 3, 4 in the given boxes in the increasing order of length of pencil.**

23. Tall - Short

❖ **Write 1, 2, 3, 4 to increasing order of height of the animals.**
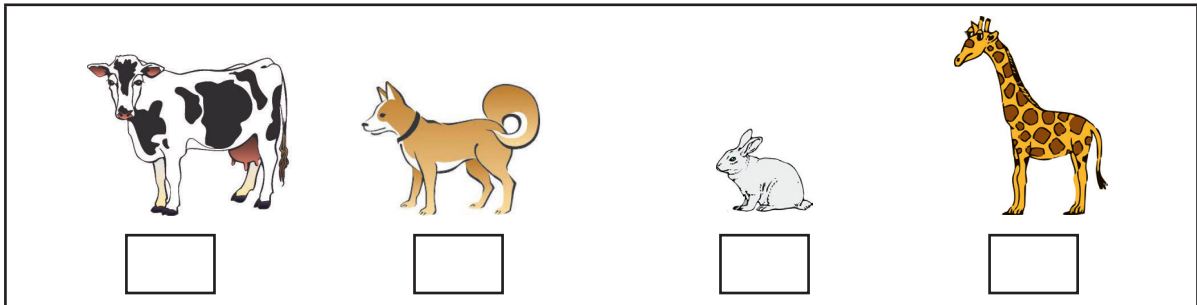
❖ **Tick mark (✓) in the box below the tallest building.**
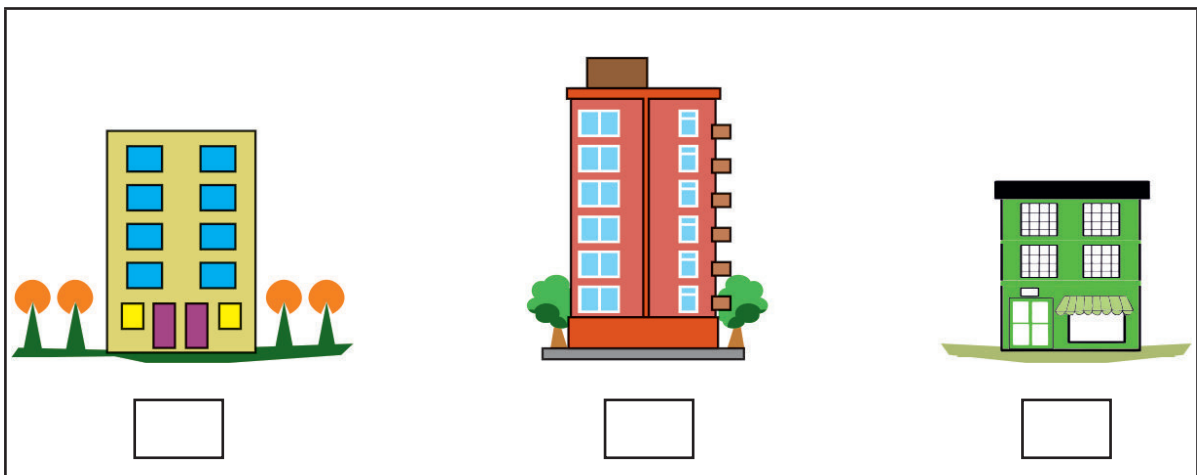
24. Heavy - Light
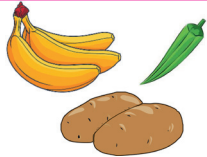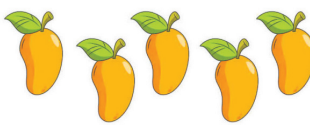
❖ **Colour the box of the lighter thing.**
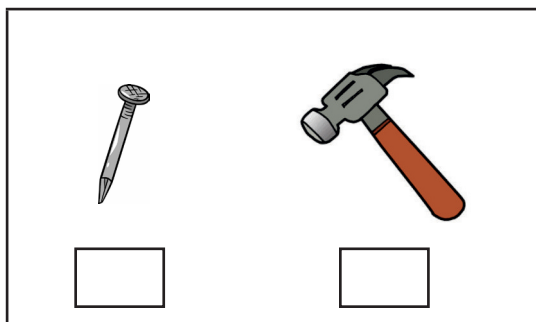
❖ **Colour the box of the heaviest fruit.**
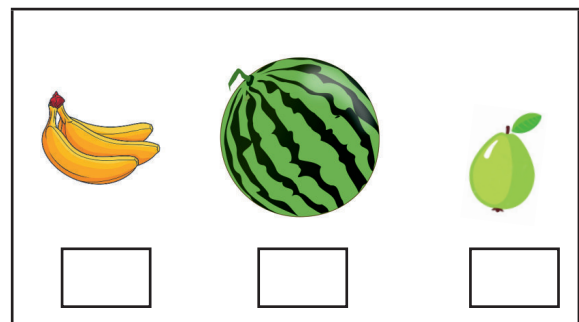
❖ **Identify the heavy and light objects. Tick mark (✓) in the box for heavy things and cross mark (✗) in the box for lighter things.**

25. Left - Right

❖ **Tick mark (✓) for the left palm and cross mark (✗) for right palm.**
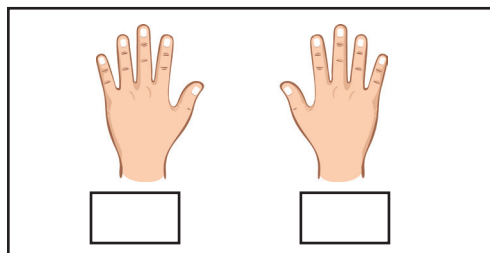
❖ **Paint the fish swimming towards left with** ■ **colour and paint the fish swimming towards right with** ■ **colour.**
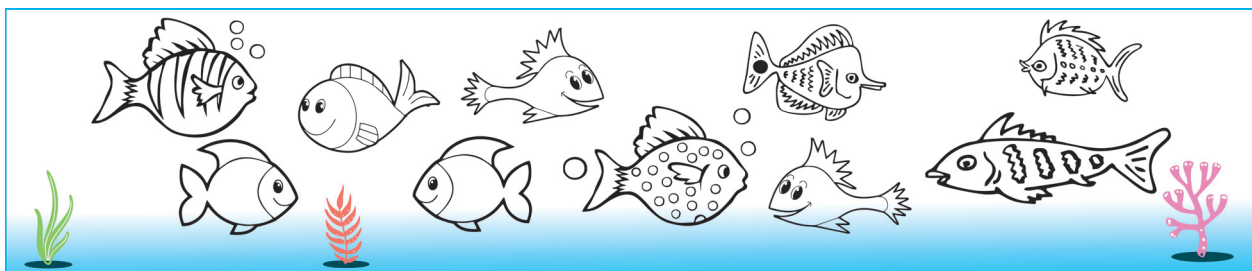
❖ **Observe the picture. Suman is going to school. In which direction will she turn ? right or left ? Tick (✓) that box.**

Left ☐   Right ☐
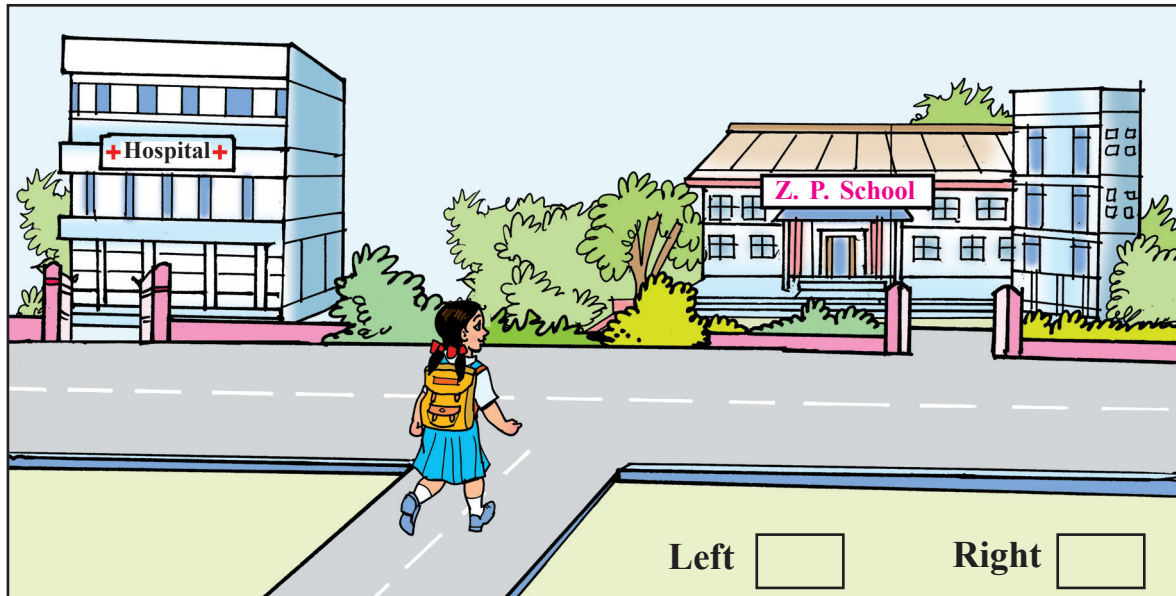
26. Far - Near

❖ **In the race of rabbit and tortoise, who is near to the finishing line and who is far from the finishing line ? Write answers in the boxes.**

❖ **Who is near to the house and far from the house ? Write it in the given boxes.**

Finishing Line

.... is near the finishing line.

In the picture .... is near the house.

.... is far from the finishing line.

.... is far from the house.

27. Less Time - More Time

❖ **Which bucket will take more time to fill. Tick (✓) the box below it.**
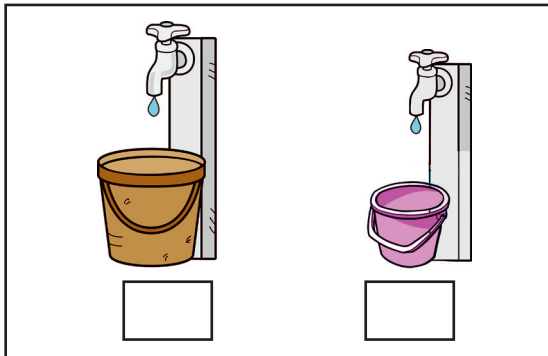
❖ **Which utensil will be emptied in less time using the small pot. Colour the box below it.**
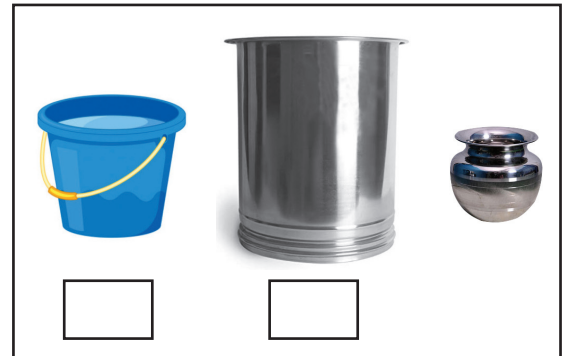
❖ **With which vehicle one can reach in less time. Tick mark (✓) box given below.**
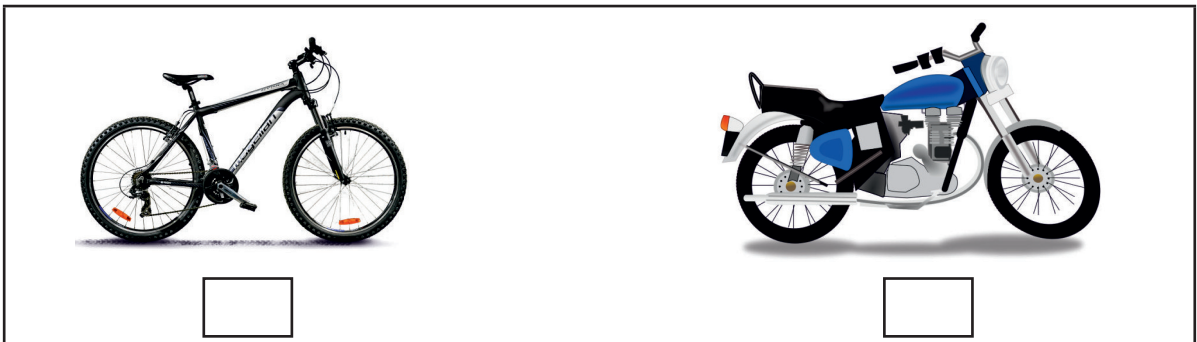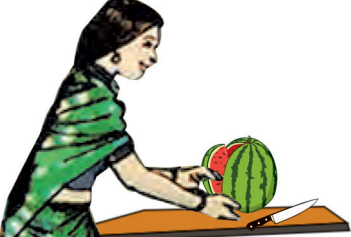
❖ **Which set of the beads will take less time to make the garland ? Tick mark (✓) that box.**
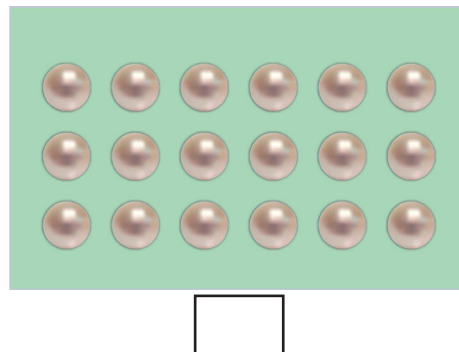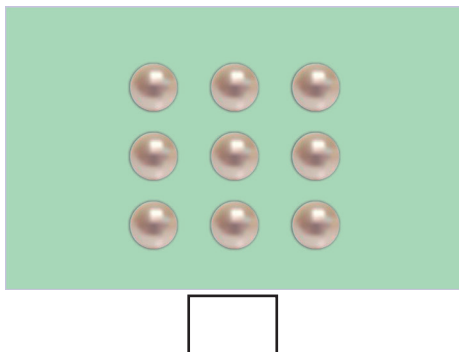
28. What after What ?

❖ **Write 1, 2, 3 as per the order of activities.**

1	3	2

29. Days of the Week

❖ **Write the missing day/days in sequence.**

1. | Thursday | Friday | Saturday | .... |

2. | Tuesday | .... | Thursday | .... |
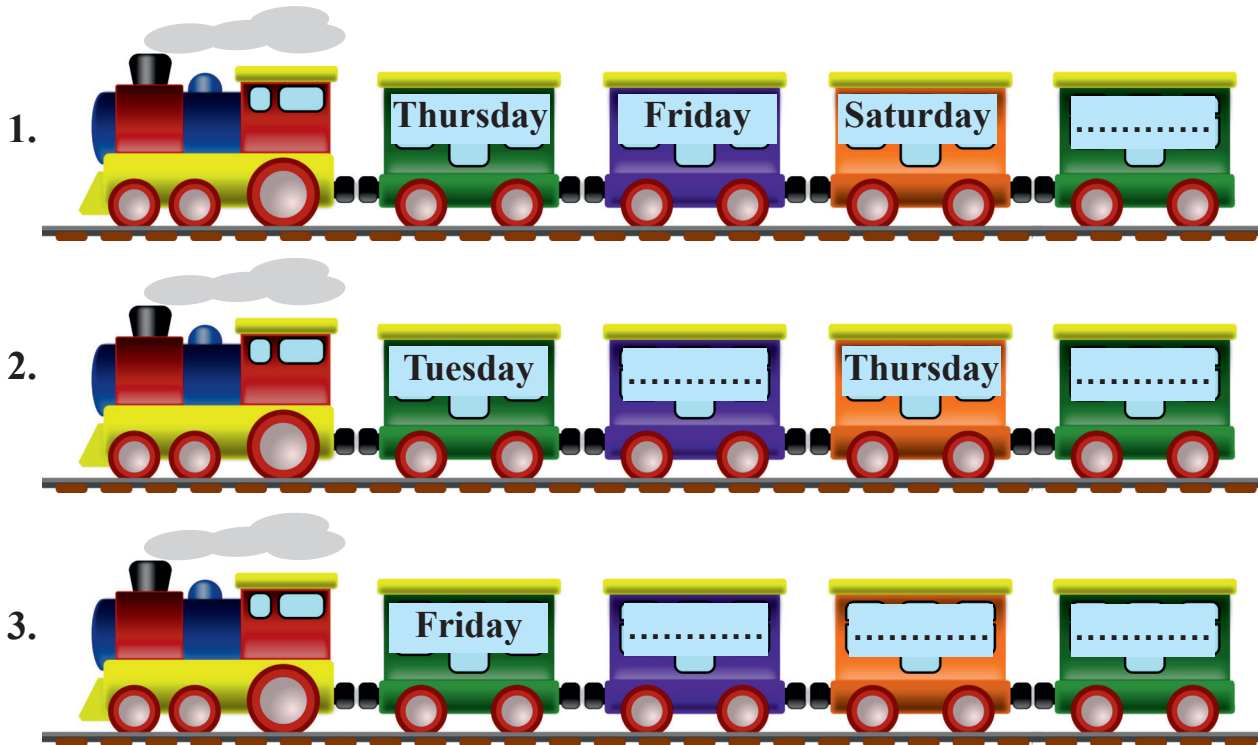
3. | Friday | .... | .... | .... |

❖ **Write the appropriate day in the empty place.**

Yesterday	Today	Tomorrow
Tuesday	Wednesday	Thursday
....	Friday	....
Saturday	....	....

Yesterday	Today	Tomorrow
....	....	Wednesday
Sunday	....	....
....	....	....

❖ **Write the appropriate day.**

- The day of weekly holiday in school   :   ....
- The day on 1st date of this month   :   ....
- The day on 15th August of this month   :   ....
- The day on your birthday this year   :   ....

30. Let's Measure

❖ Measure the length of the given things by the length of your span.

गणित
इयत्ता पहिली
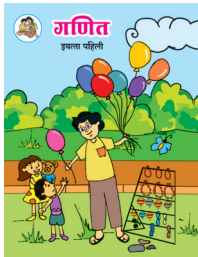
☐ spans

Book

☐ spans

Black Board

❖ In your surrounding, measure the distance between two trees by your ☐ (feet).
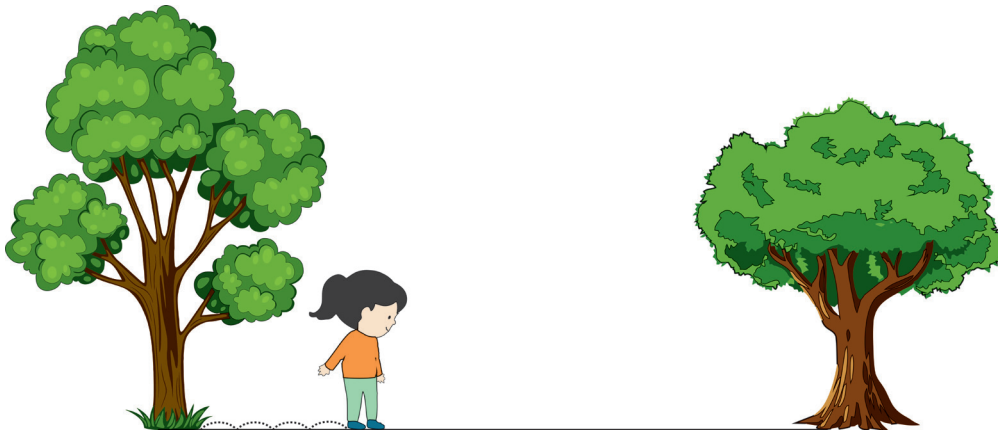
☐ feet

❖ Measure the distance between two walls of your class by your feet.
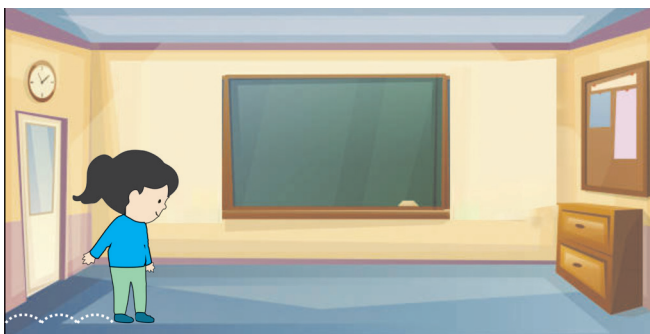
☐ feet

(Teachers/Parents should help the students for such activities.)

❖ **Measure the length, colour those many squares and write the answer in the box as shown.**

1. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | **3** squares

2. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | ☐ squares
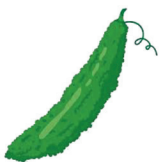
3. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | ☐ squares

31. Data Management

❖ **The data of cooked vegetables at Yasmeen's house last week is given below. Answer the following questions.**

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday

1. On which day the cabbage was cooked ?   ....

2. Which vegetable was cooked on the day of school holiday ? ....

3. On which day was the bitter gourd cooked ?   ....

4. If ridge gourd (dodka) was cooked today, then which day was yesterday ?   ....

5. If the lady's finger will be cooked tomorrow then which day is today ?   ....

❖ **Meghana, Salim, Aayush and John purchased their favourite flowers from the flower shop. Then answer the following questions.**
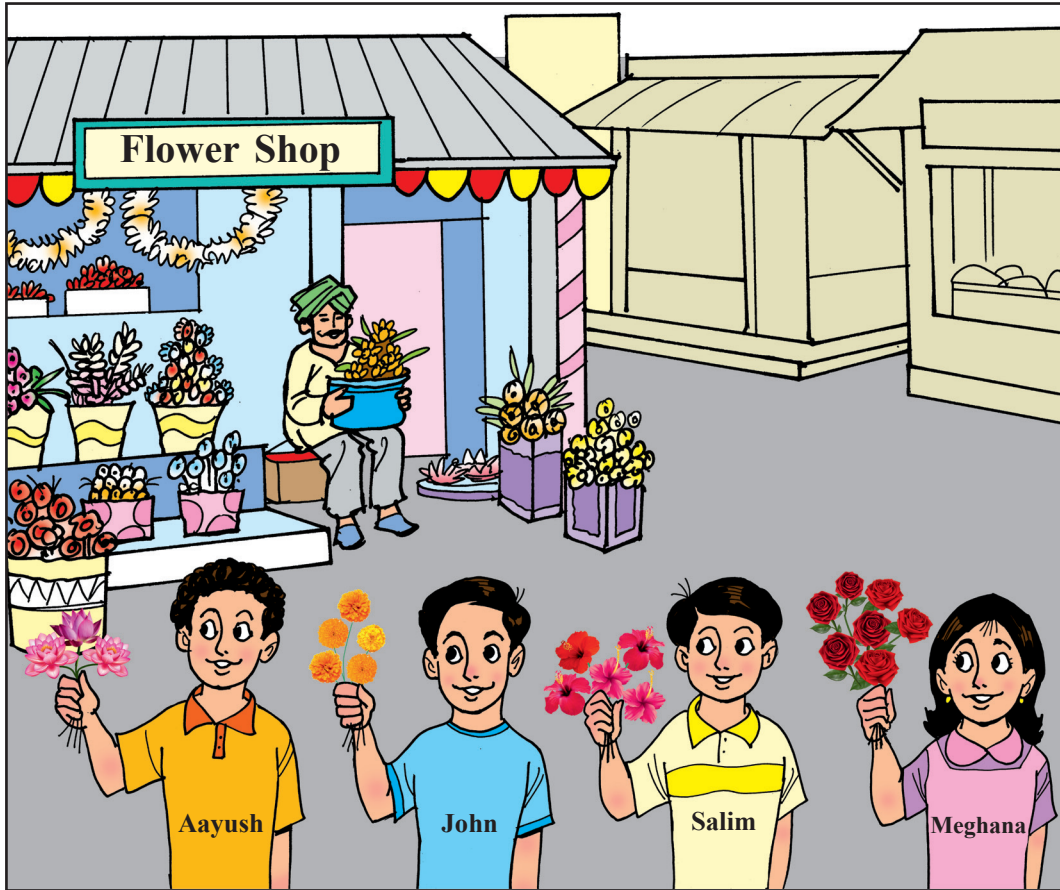
Answer the following questions.		
1.	Who has the most number of flowers ?	....
2.	Who has the least number of flowers ?	....
3.	How many total flowers are there with Meghana and Salim ?	....
4.	What is the total of marigold and hibiscus flowers ?	....

Credentials

Workbook : Standard - One : Creative Participation in Development and Writing

Sr. No.	NAME	Designation	Office
1.	Anupama Tavashikar	Senior Lecturer	Dist. Institute of Educational Training (DIET), Sindhudurg
2.	Dr. Bhagirathi Giri	Senior Lecturer	Dist. Institute of Educational Training (DIET), Latur
3.	Vijay Gaikwad	Senior Lecturer	Dist. Institute of Educational Training (DIET), Dhule
4.	Shailesh Patil	Lecturer	Dist. Institute of Educational Training (DIET), Jalgaon
5.	Dr. Dinesh Chaudhari	Lecturer	Dist. Institute of Educational Training (DIET), Thane
6.	Shivaji Thakur	Lecturer	Dist. Institute of Educational Training (DIET), Dhule
7.	Nilofar Patel	Lecturer	Regional Academic Authority (RAA), Aurangabad
8.	Chandan Kulkarni	I/C BEO	Panchyat Samiti, Ambajogai
9.	Atul Kulkarni	Subject Asst.	Dist. Institute of Educational Training (DIET), Nanded
10.	Ashwin Kinarkar	Subject Asst.	Regional Academic Authority (RAA), Nagpur
11.	Balaji Jabade	Subject Asst.	Dist. Institute of Educational Training (DIET), Hingoli
12.	Umesh Raut	Subject Asst.	Dist. Institute of Educational Training (DIET), Palghar
13.	Subhash Marwade	Subject Asst.	Dist. Institute of Educational Training (DIET), Gondiya
14.	Manish Dighekar	Subject Asst.	Dist. Institute of Educational Training (DIET), Amaravati
15.	Gajanan Pawar	Subject Asst.	Dist. Institute of Educational Training (DIET), Buldhana
16.	Vishwambhar Aalne	Subject Asst.	Dist. Institute of Educational Training (DIET), Washim
17.	Basweshwar Kalyankasture	Subject Asst.	Dist. Institute of Educational Training(DIET), Ratnagiri
18.	Prabhakar Kakade	Head Master	Zilla Parishad Primary School Gadhejalgaon,Tal. Dist. Aurangabad
19.	Annappa Parit	Asst. Teacher	New English School and Jr. College, Lat, Dist. Kolhapur
20.	Suvarna Deshpande	Asst. Teacher	New English School, Satara
21.	Namdev Dhanavade	Asst. Teacher	Zilla Parishad Primary School Mhate Khu., Tal. Javli, Dist. Satara
22.	Smt. Taruben Popat	Retd. Head Mistress	Sanghavi K.M. High School, Pune.
23.	Dr. Lata Padekar	Graduate Teacher	Loknete Yashwantrao Chavan PMC Vidyaniketan No.6 Yerwada, Pune

Instructions for teachers/parents : 1) The objective of this workbook is to inculcate the habit of self-study in students and also to provide opportunity to excel in expected learning outcomes. 2) After learning the concepts and content given in the textbook, the students are expected to complete the activities given in this workbook. 3) Ample colourful pictures, figures and diagrams are used to make the workbook attractive. Mathematical puzzles /riddles are included to make it more enjoyable. 4) Activities in the workbook are designed as per the learning outcomes, hence every student will achieve the expected learning outcomes. So teachers should focus on the process of learning rather than the product. 5) Teachers should plan as per the local situations so that every student can complete the activities in the said academic year. 6) At many places some sample activities are solved, so by observation student will solve remaining activities on their own. 7) If necessary, teacher /parent should give guidance to the students in person or in group. 8) Teaching of Mathematics should be accompanied by real life examples from the local surroundings so that the students can relate themselves and understand it in better way. Also encourage and motivate students to find such examples. 9) To evaluate the students' performance is not the only aim and objective of this workbook but also to get rid of 'Mathophobia' in students. Rather they should start loving Mathematics. 10) Teacher should always start with a positive thought and strong belief that 'Every child can learn Mathematics.' Encourage students to participate in everyday teaching-learning process with the help of this workbook.

Let's Play

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