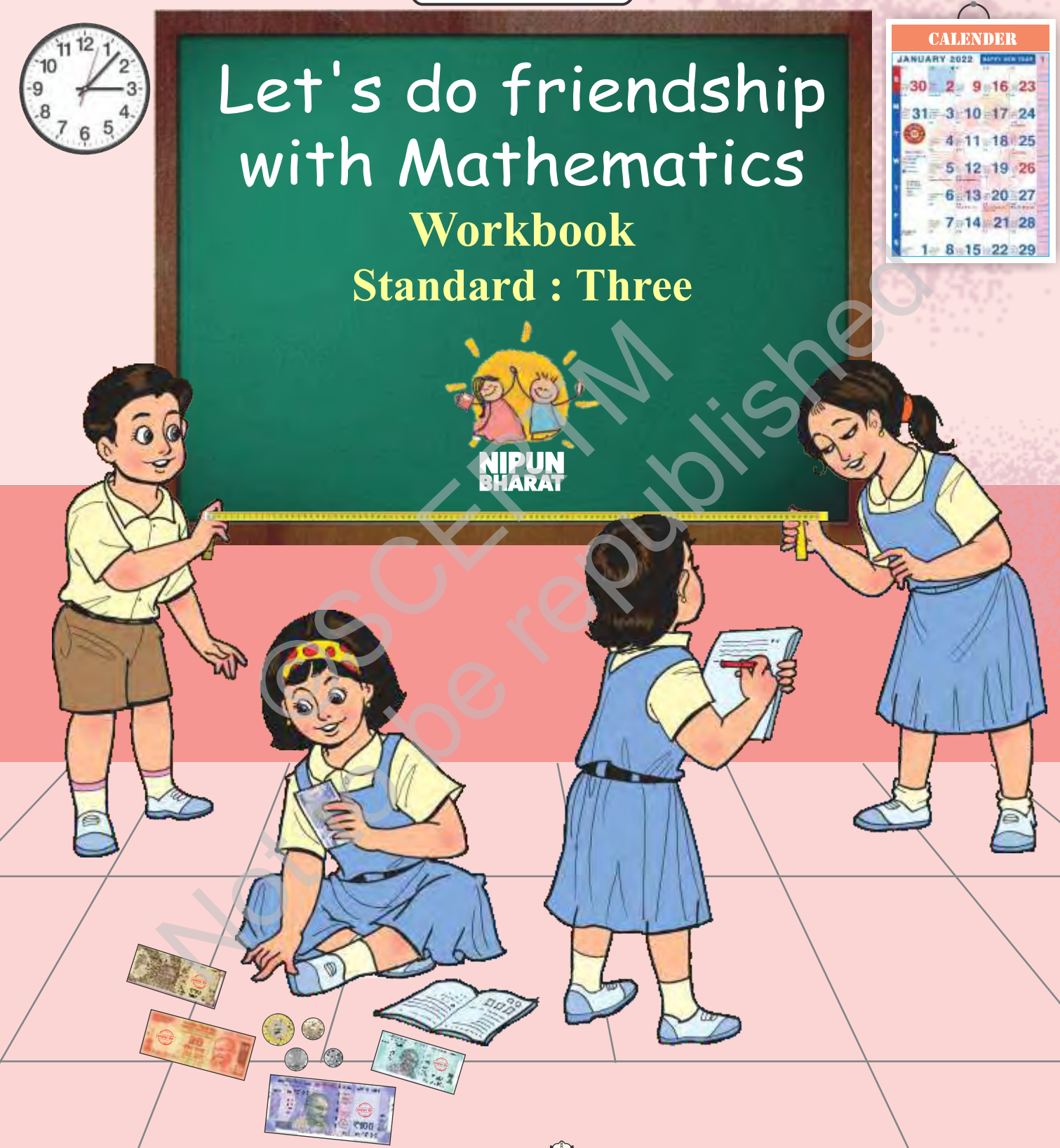
Samagra Shiksha

Let's do friendship with Mathematics

Workbook

Standard : Three



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

Let's do friendship with Mathematics : Standard Three

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Workbook

Std. : Three

NIPUN BHARAT

Name : _____

School : _____

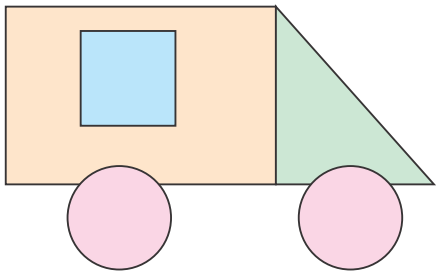
Standard : _____ Division : _____

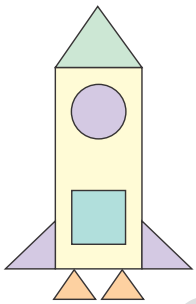
State Council of Educational Research and Training,
Maharashtra, Pune.

INDEX

1. Identifying Geometrical shapes

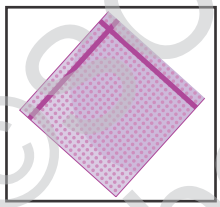
❍ **Draw the different shapes seen in the pictures and write down their names.**

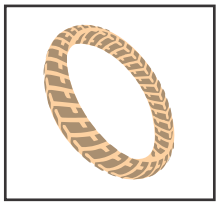




Shape				
Name of the shape				

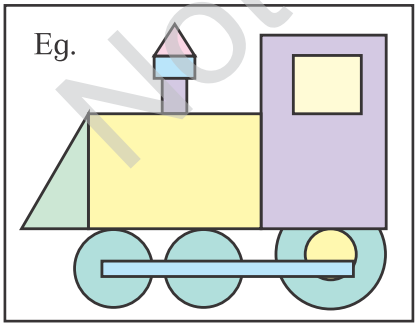
❍ **Identify the shape of the given objects and write down their names in the boxes.**



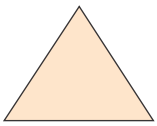
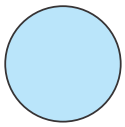
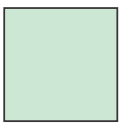


❍ **Make a collage of different shapes to get an image.**

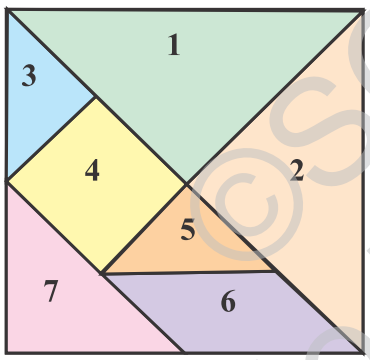
Eg.



❍ **Complete the following table :**

Shape	Name of the Shape	Number of sides	Number of corners	Examples of same shape
				
				
				
				

❍ **Observe the tangram and answer the questions :**

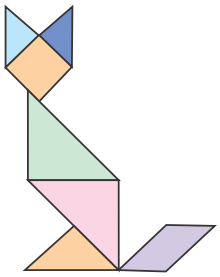


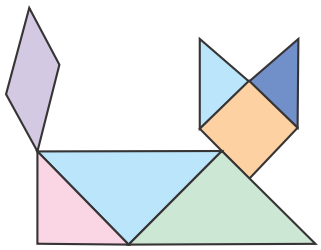
1) How many corners are there in shape 1 of the tangram?
2) Name of the shape 4 of tangram.
3) Which two shapes when put together will give a bigger triangle?
4) How many triangles are there in the given tangram?
5) How many squares are there in the tangram?

and Answer

1) I am like a handkerchief. I have four corners, four sides. Who am I ? .....
2) I look like a pataka. I am made of three sides and three corners. Who am I ? .....
3) I look like a mobile. I have four sides and four corners but my opposite sides are the same. Who am I ? .....
4) I have sides but no corners. I look like a bangle. Who am I ? .....

- **From the given shape made from Tangram make a fish and a rocket.**
  (Teachers should cut the shapes.)

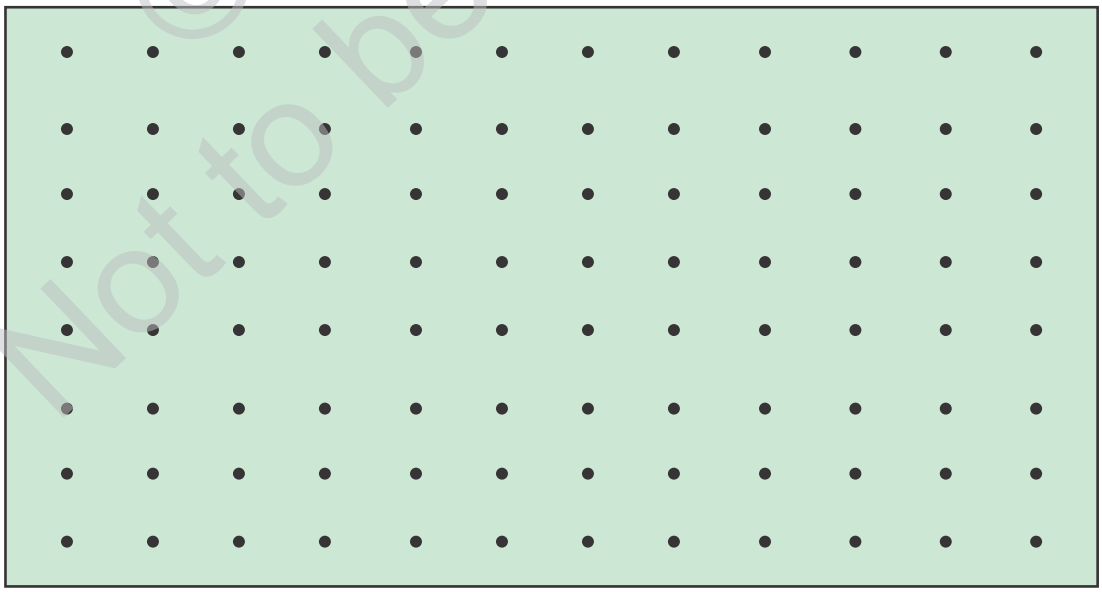




Fish

Rocket

- **Making use of different shapes draw any picture on the dot grid paper.**



2. Fun with numbers

❍ **Match the following :**

Numbers (in words)	Pictorial presentation	Numbers (in figures)
Fifty-four		46
Sixty-three		70
Seventy		54
Forty-six		63

❍ **Making use of digits 3, 5, 2 and 7 build a 2-digit number.**

1) Numbers less than 75 1) ..... 2) .....

2) Numbers more than 7 tens 1) ..... 2) .....

3) Numbers between 20 and 70 1) ..... 2) .....

4) Numbers less than 4 tens 1) ..... 2) .....

❍ **Check whether numbers in ones place can be added to get tens.**

1)	43, 28	3 units + 8 units = 11 units	Tens are formed
2)	65, 32	5 units + 2 units = 7 units	We don't get tens
3)	43, 85		
4)	62, 19		
5)	88, 54		
6)	46, 27		

❍ **Count the hundreds and write.**  **= 1 hundred**

Pictorial presentation	Numbers in words	
	1 hundred	One hundred
	.....	Three hundreds
	8 hundreds	.....
	.....	Seven hundreds
	.....	.....

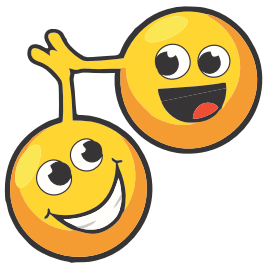
1 ten = 10 units

1 hundred = 10 tens = 100 units

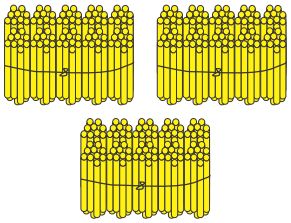
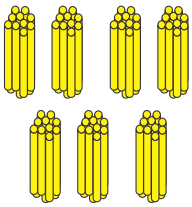
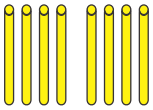
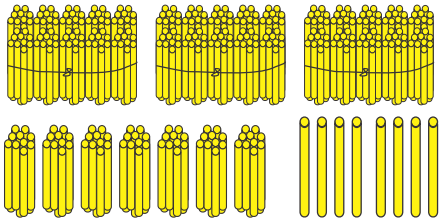
1 thousand = 10 hundreds = 100 tens = 1000 units

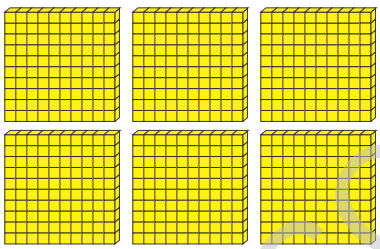
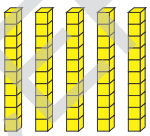
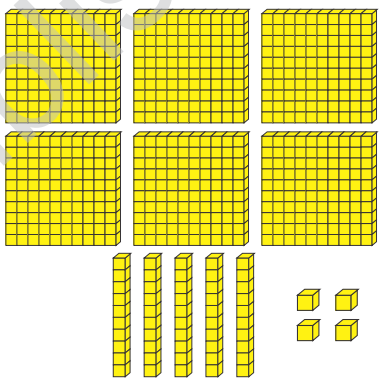
❍ **Match the following :**

10 tens	1 thousand
10 hundreds	100 tens
10 units	1 hundred
1000 units	1 ten



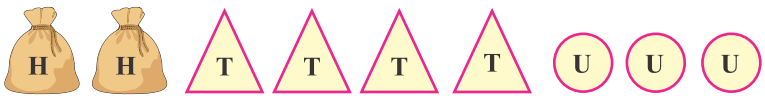
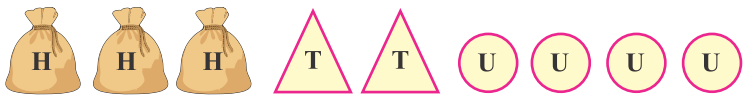
❍ **Write the number from the pictorial presentation.**

Hundreds	Tens	Units	Number
			
3	7	8	Three hundred and seventy-eight
300	70	8	300 + 70 + 8 = 378

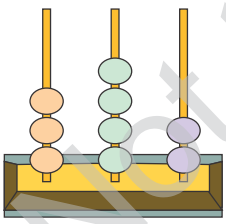
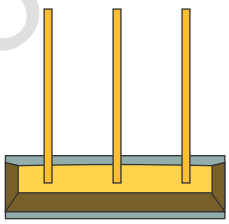
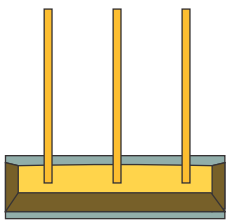
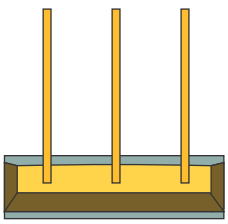
Hundreds	Tens	Units	Number
			
6	5	4	.....
.....	.....	.....	..... + ... + ... = ...

Hundreds	Tens	Units	Number
			
5	.....	.....	.....
.....	.....	.....	..... + ... + ... = ...

❍ **Complete the following table :**

Number	Pictorial presentation	In words
243		Two hundred and forty-three
333		....
.....		....
.....		One hundred and forty-one
360		....
507		....
.....		....

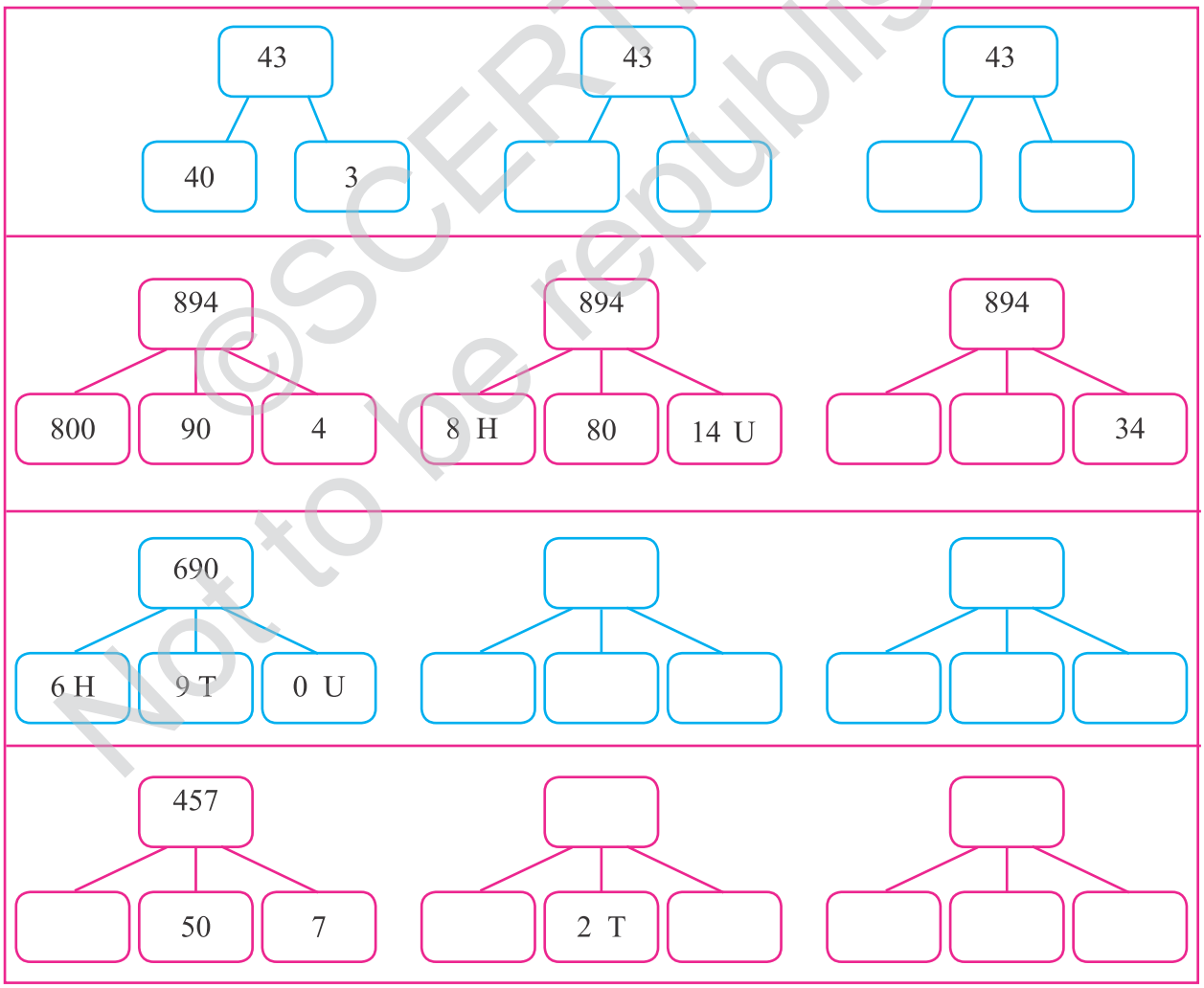
❍ **Draw beads as per the number.**

342	426	650	706
			
3 H 4 T 2 U	.....	.....	.....
Three hundred and forty-two	.....	.....	.....

❍ **Complete the table :**

Expanded form	Number	In words
5 H + 3 T + 9 U	539	Five hundred and thirty-nine
3 H + 6 T+ 3 U		.....
6 H + 4 T		.....
9 H + 4 U		.....
8 H + 7 U		.....

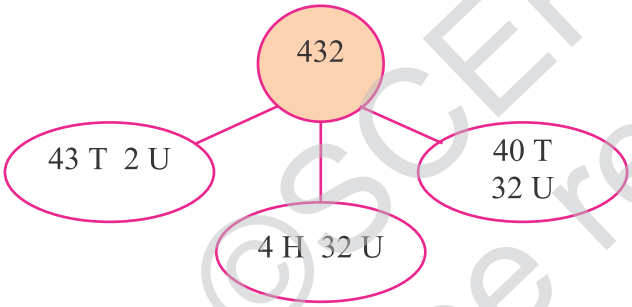
❍ **Fill in the blanks :**

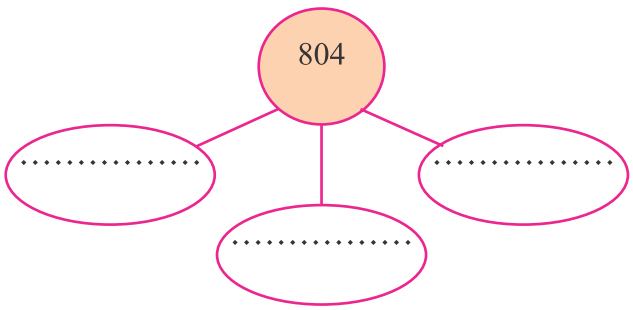


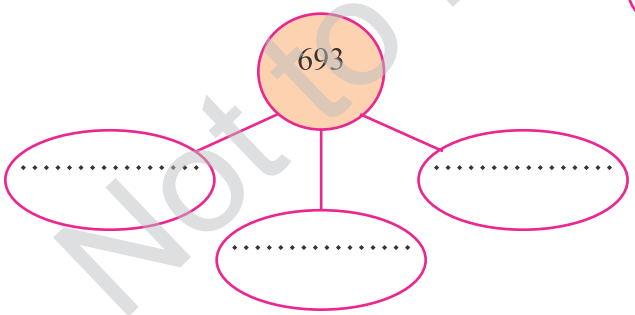
❍ **Add the digits in tens place and check if you get the number in hundreds.**

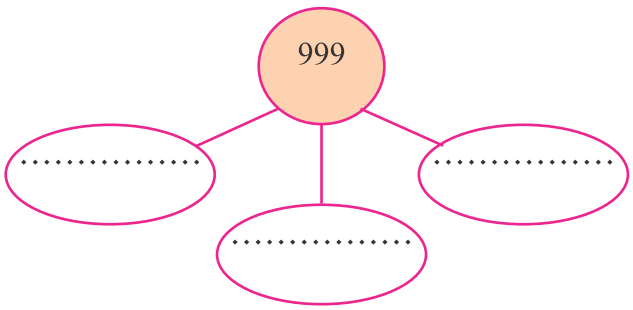
543 , 122	4 Tens + 2 Tens = 6 Tens	we don't get a hundred
665 , 372	6 Tens + 7 Tens = 13 Tens	we get a hundred
543 , 755		.....
682 , 115		.....
838 , 590		.....
406 , 242		.....
168 , 551		.....

❍ **Write down the numbers in their place value form.**









- **From the given digits build as many three digit numbers.**

1) 7, 4, 6

777, 774, 776, 444, 447, 446, 666, 664, 667, 746, 764, 476, 467, 674, 647, ...

2) 3, 7, 5 .....

.....

3) 5, 8, 2 .....

.....

4) 9, 6, 1 .....

.....

5) 5, 0, 3 .....

.....

6) 6, 2 .....

.....

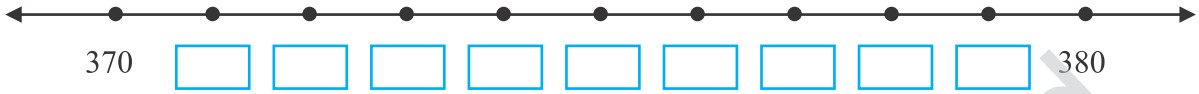
- **Complete the table :**

Number just before	Numbers	Number just after
274	275	
	362	
	890	
	900	
	779	780

❍ **Write the correct numbers in the box :**

1) Between 890 and 900

2) Between 370 and 380



3) Between 433 and 443

❍ **Write the correct sign > , < or = in the box.**

1) 746 > 546

2) 637 ☐ 673

3) 561 ☐ 569

4) 453 ☐ 645 ☐ 563

5) 553 ☐ 638 ☐ 733

6) 892 ☐ 892

❍ **Encircle the biggest number :**

1) 4 tens, 2 hundreds, 9 units

2) 456, 465, 406

3) 375, 475, 275

4) 789, 788, 787

5) 660, 630, 603

6) 4 tens, 3 hundreds, 60 units

7) 67 tens, 6 hundreds, 700 units

8) 20 tens, 30 units, 25 units

- **Complete the table :**

Numbers	Ascending order	Decending order
563, 746, 386	386, 563, 746	746, 563, 386
647, 78, 874		
945, 872, 637		
799, 801, 798, 800		
883, 887, 881, 808		
637, 673, 619, 599		

- **Complete the table :**

Digits	Smallest 3 digit number	Bigest 3 digit number
4, 7, 3	347	743
7, 3, 5		
0, 1, 4		
6, 9, 5		
8, 0, 2		

- **Write the place and place value of the underlined digit in given numbers.**

Number	Place	Place value
7<u>9</u>4	Tens	90
<u>2</u>43		
9<u>0</u>8		
48<u>2</u>		

❍ **Underline the digits with the given place value.**

Place value	Numbers
30	349, 530, 403, 53, 633
9	900, 190, 98, 990, 289
500	59, 150, 504, 50, 595
1	211, 100, 918, 31, 316

❍ **Complete the following table.**

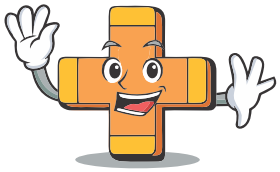
Numbers	Expanded form (In figures)	Expanded form (In words)
384		.....
		Seven hundred and eighteen
205		.....
544		.....
555		.....
	800 + 40	.....
900		.....

❍ **Write the number from expanded form.**

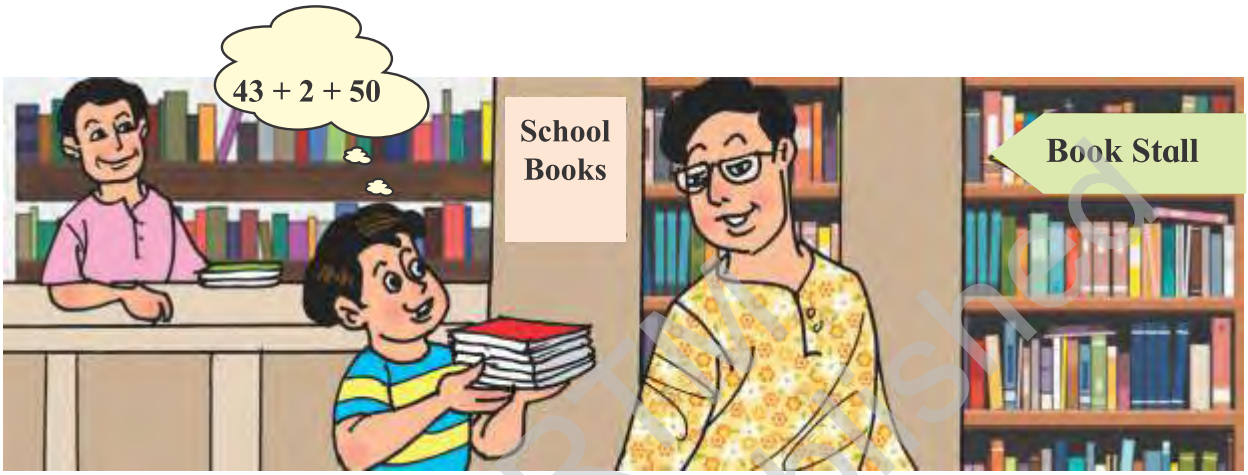
1) 400 + 50 + 1 =
2) 9 hundred + 2 units =
3) 60 + 8 + 200 =
4) 70 + 600 + 4 =
5) 4 tens + 1 unit + 0 hundred =
6) 2 hundreds + 5 tens + 4 units =

❐❐❐

3. Let's do Addition



- **Jay went to the bookshop to buy books with his father. They purchased notebooks for ₹ 43 and textbooks for ₹ 52. What is the total amount of their purchase?**



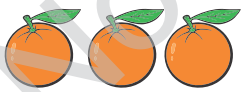
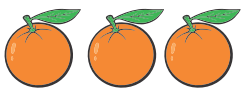
Help Jay to present this in a different combination.

43 + 52 = ... = ...

- **What is the value of the item or object?**

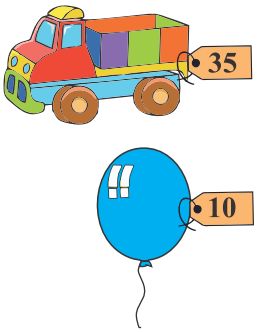
 + 23 = 57 then  = ☐

= 48 21 +  =  ☐

 + 33 = 66 then  = ☐

=  en+  =  ☐

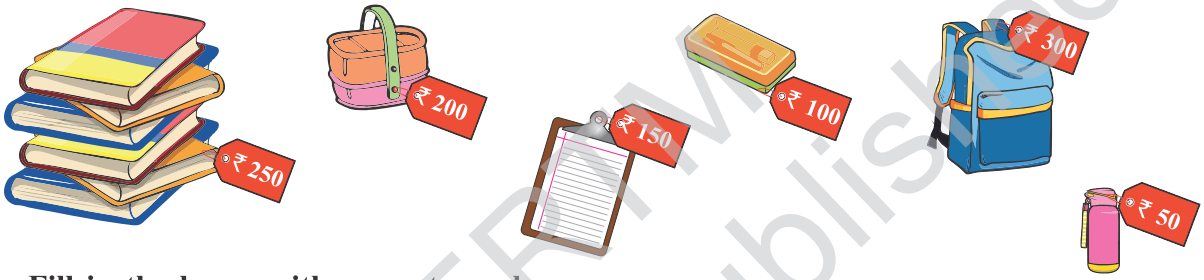
❍ **Which of the two given toys total price will be ₹ 60?**



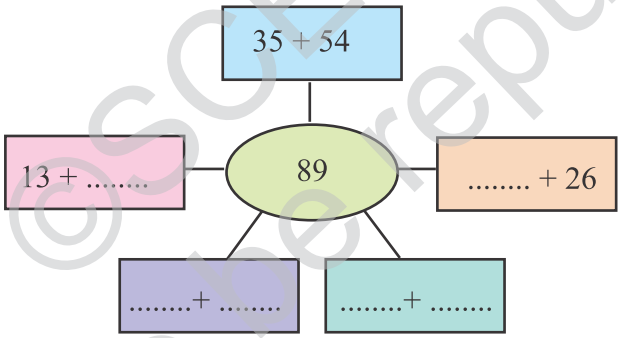
☐ + ☐ = 60

....

❍ **Ring maximum number of items which can be bought for ₹ 550.**



❍ **Fill in the boxes with correct numbers :**



❍ **In a match between India and Srilanka, Indian team had made given runs. Find out how many runs are needed to Srilankan players to win the match?**

Runs scored by India	
Name of Players	**Runs**
Rohit Sharma	54
Virat Kohli	73
Shikhar Dhavan	62
Total Runs	

1) Total runs scored by India : ☐

2) How many runs are needed by Srilankan players to win the match? ☐

❍ **Solve :**

	T	U
	3	4
+	2	1
+	2	3

	T	U
	2	3
+	1	5
+	2	1

	T	U
	6	3
+	1	4
+	2	1

❍ **Fill in the boxes with correct numbers :**

1) 4 + 8 = ☐ + 4

2) 5 + 4 = 4 + ☐

3) 8 + 4 = 12 then 4 + 8 = ☐

4) 65 + 14 = ☐ then 14 + 65 = ☐

❍ **Word problems :**

1) Ajay had ₹ 244 and Ranbeer had ₹ 325. What was the total amount they had together?

	H	T	U
+			

.....

.....

Both had ₹ ..... in all.

2) Riya had 432 beads and Reena had 525 beads with her. Find out total number of beads in all?

	H	T	U
+			

.....

.....

Total number of beads in all .....

❍ **Solve.**

634 + 63

	H	T	U
	6	3	4
+		6	3

452 + 27

	H	T	U
	4	5	2
+		2	7

465 + 234

	H	T	U
+			

641 + 157

	H	T	U
+			

555 + 333 + 101

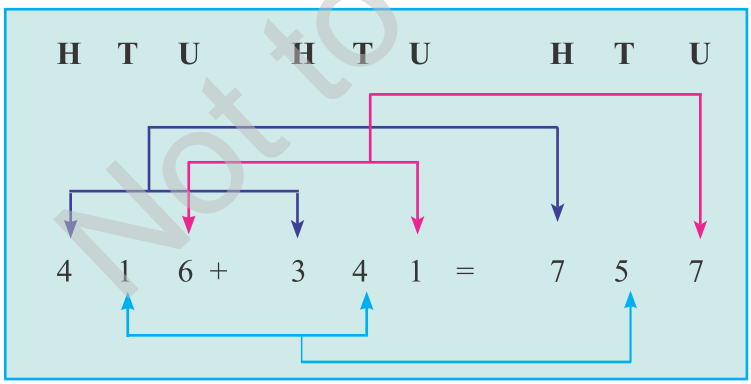
	H	T	U
+			
+			

600 + 299 + 100

	H	T	U
+			
+			

❍ **Solve.**

Eg : 416 + 341 = 757



1) 447 + 221 = ☐

2) 637 + 252 = ☐

3) 500 + 300 = ☐

4) 920 + 79 = ☐

5) ☐ + ☐ = ☐ 6) ☐ + ☐ = ☐

1) Pratik bought textbooks for ₹ 245 and notebooks for ₹ 150 for his sister. How much money was spentaltogether ?

	H	T	U	
	2	4	5	Cost of textbook
+	1	5	0	Cost of notebooks
				Total Cost

Means total money spend by Pratik is ₹ .....

2) Reeta's father planted 542 mango trees and 307 lemon trees. How many trees are planted in all?

	H	T	U	
				.....
+				.....
				Mango and Lemon trees planted in all .....

3) At a COVID-19 vaccination center, first day 135 persons got vaccinated and on the next day 263 persons got vaccinated. How many persons got vaccinated in all?

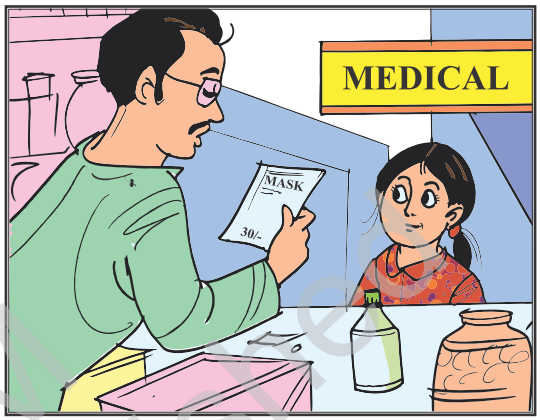
	H	T	U	
				.....
+				.....
				Total number of persons vaccinated in all .....

4) In a library there are 423 books of Marathi and 312 books of Hindi then how many books are there in all?

	H	T	U	
				.....
+				.....
				Total number of books are ..... in all.

4. Let's do Subtraction

❍ Alisha had ₹ 55 with her. She purchased masks worth ₹ 30. How much money is left with her?



	T	U	
			amount with Alisha
–			money spent on masks
			remaining amount

1) Makarand did planting of 68 plants. Out of which 56 plants were of mangoes and remaining were of tamarind. How many plants are of tamarind?

	T	U
–		

2) Abhay had ₹ 25. His uncle gave him more money and now he has ₹ 57. How much money was given by his uncle?

	T	U
–		

3) In Std III, out of 45 students only 34 students were present. How many students were absent in the class?

	T	U
–		

4) Naresh has 57 sheep and Suresh has 78 sheep. How many sheep are less with Naresh than Suresh?

	T	U
–		

❍ **Put the digits 5, 4, 7, 9 in such a way that we get the answer.**

	T	U
−		
	2	1

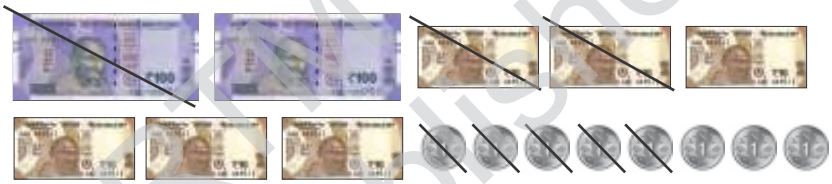
	T	U
−		
	2	5

	T	U
−		
	4	3

❍ **Solve the given word problem with the pictorial presentation of money.**

1) Maya has ₹ 268. She planted trees worth ₹ 125, how much amount is left with her now?

	H	T	U
−			



Maya has ₹ ..... left with her.

2) Ketaki has 127 beads and Aayesha has 115 beads. How many beads are needed to make same number of beads which Ketaki has?

	H	T	U
−			

Number of beads with Ketaki

Number of beads with Aayesha

Number of beads needed by Aayesha.

❍ **Solve.**

	H	T	U
	7	4	6
−		1	2

	H	T	U
	8	9	7
−		5	0

	H	T	U
	9	8	4
−	1	0	3

❍ **Make your own sums and solve :**

	H	T	U
–			

	H	T	U
–			

	H	T	U
–			

❍ **Arrange vertically and substract.**

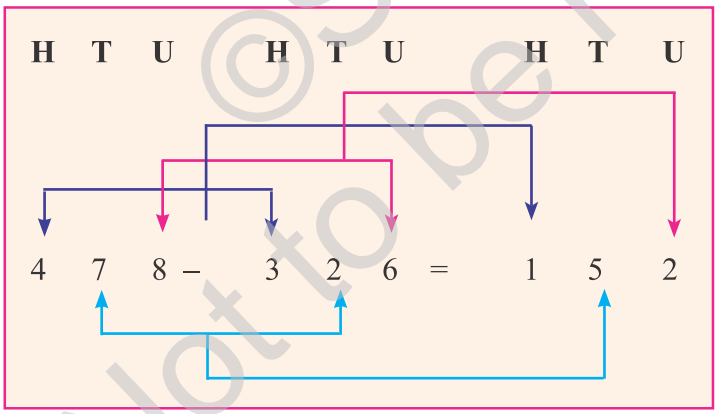
1) 899 – 457

2) 205 – 103

3) 467 – 342

❍ **Solve.**

Ex. 478 – 326 = 152



1) 427 – 215 = ☐

2) 509 – 307 = ☐

3)789 – 567 = ☐

4) 835 – 435 = ☐

5) 685 – 354 = ☐

6) ☐ – ☐ = ☐

7) ☐ – ☐ = ☐

8) ☐ – ☐ = ☐

❍ **Use the digits 1 to 9 only once to get an answer more than 500.**

	H	T	U
–			

	H	T	U
–			

	H	T	U
–			

❍ **Solve.**

1) Apoorva invested ₹ 300 in Mahila Bachat Gat from the total of ₹ 575. How much money is left with her?

2) I had some money with me. When I added ₹ 150, then I had a total amount of ₹ 390. How much money did I have at the beginning ?

3) A tray had some eggs, out of which 15 eggs were broken. Now there are 33 eggs. How many eggs were there in the beginning ?

4) Out of some 95 plants, 21 plants were of rose, 20 were of marigold and remaining were of Shevanti. How many are Shevanti plants ?

❐❐❐

5. Understanding Multiplication

Solve.

1) Some childrens are standing on the playground. Read the question and answer them in given box.

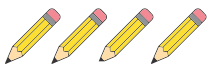
- How many children in a line?
- How many rows in all?
- Total children 5 + 5 + 5 =

2) 5th June is observed as World Environment Day. We have planted few plants, read the questions and answer them in the box.

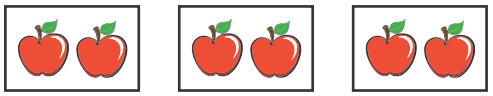
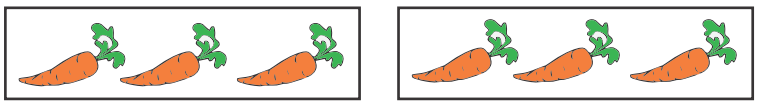
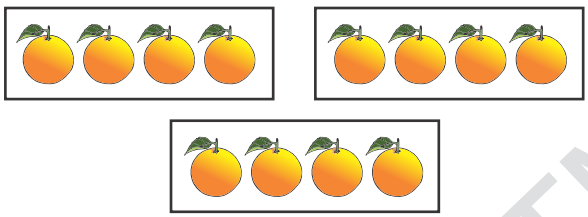
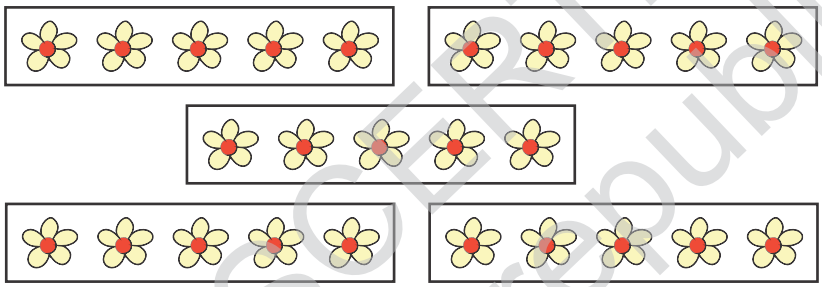
- How many plants in a row?
- How many rows are there?
- Find the total number of plants?

3) The cost of one pencil is ₹ 5. How much will 4 pencils cost?

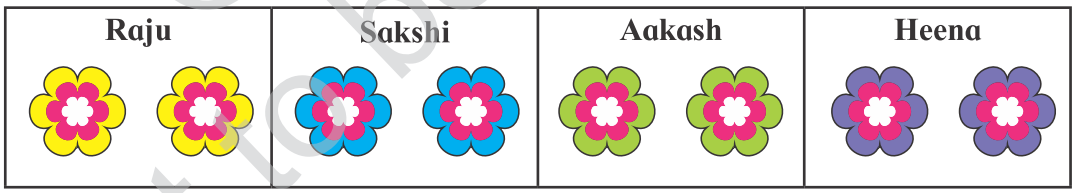
- Cost of one pencil : ₹
- Total Pencils :
- Total Amount : 5 + 5 + 5 + 5 =



❍ **Complete the table.**

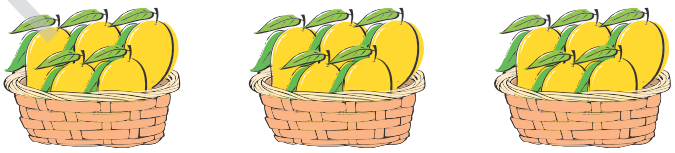
Pictures	Repeated Addtion	Multipli-cation
	2 + 2 + 2	2 × 3
		
		
		

1) For Independence day celebration each of the friends Raju, Sakshi, Aakash and Heena brought 2 flowers, then how many flowers are there in all?



2 + 2 + 2 + 2 = ☐

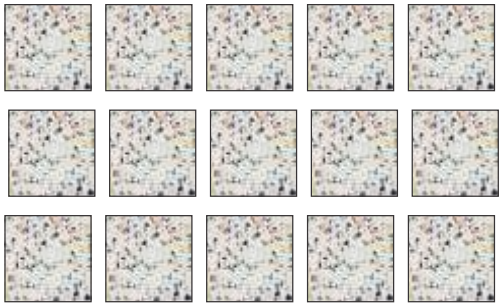
2) Each basket has 5 mangoes. How many mangoes are there in 3 baskets ?



5 + 5 + 5 = ☐

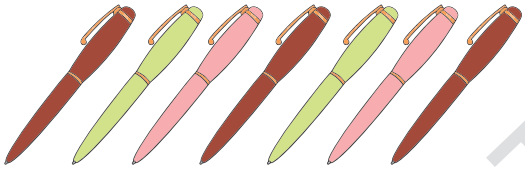
Solve :

1) In a row there are 5 tiles, How many tiles are there in such 3 rows?



5 + 5 + 5 = ☐ = ☐

2) Vijay purchased 7 pens. If each pen costs ₹ 6 then how much did he spend in all?



6 + 6 + 6 + 6 + 6 + 6 + 6 = ☐

= ☐

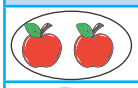
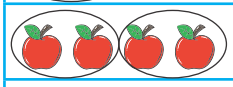
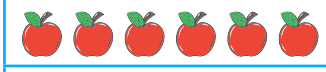
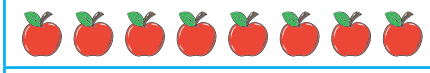
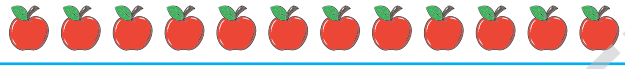
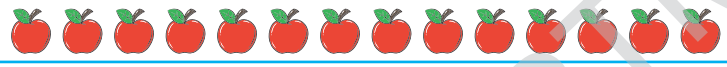
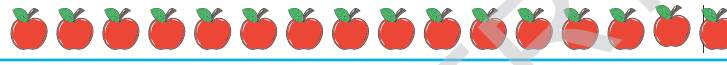
3) In a jar there are 7 laddoos, then how many laddoos are there in such 3 jars?

7 × ☐ = ☐

Complete the table :

Pictorial Presentation	Addition Form	How many times	Times	Multi-plication Form	Total
	3	3 One time	One time 3	3 × 1	3
	3 + 3	3 Two times	2 times 3	3 × 2	6
			3 times 3		
			4 times 3		
			5 times 3		

❍ **Make a group of 2 and write down table of 2.**

Picture form	Multiplication form	Table
	2 × 1	2
	2 × 2	4
		
		
		
		
		
		
		

In similiar manner make table of 3 and 4 in your class notebook.

❍ **Write table of 5 with the help of repeated addition.**

Addition Form	Table of 5
5	5 × 1 = 5
5 + 5	
5 + 5 + 5	
5 + 5 + 5 + 5	
5 + 5 + 5 + 5 + 5	
5 + 5 + 5 + 5 + 5 + 5	
5 + 5 + 5 + 5 + 5 + 5 + 5	
5 + 5 + 5 + 5 + 5 + 5 + 5 + 5	
5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 + 5	
5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 + 5	

Word problems :

1) One packet of biscuit has 8 biscuits, then how many biscuits will 4 packets have in all?

8	biscuits in 1 packet
× 4	Number of packets
32	Total number of biscuits

2) One box has 7 balls, then how many balls will 5 such boxes have?

	balls in a box
×	Number of boxes
	Total number of balls

3) One garland has 6 flowers, then how many flowers are there in 3 garlands?

	Flowers in a garland
×	Number of garlands
	Total flowers

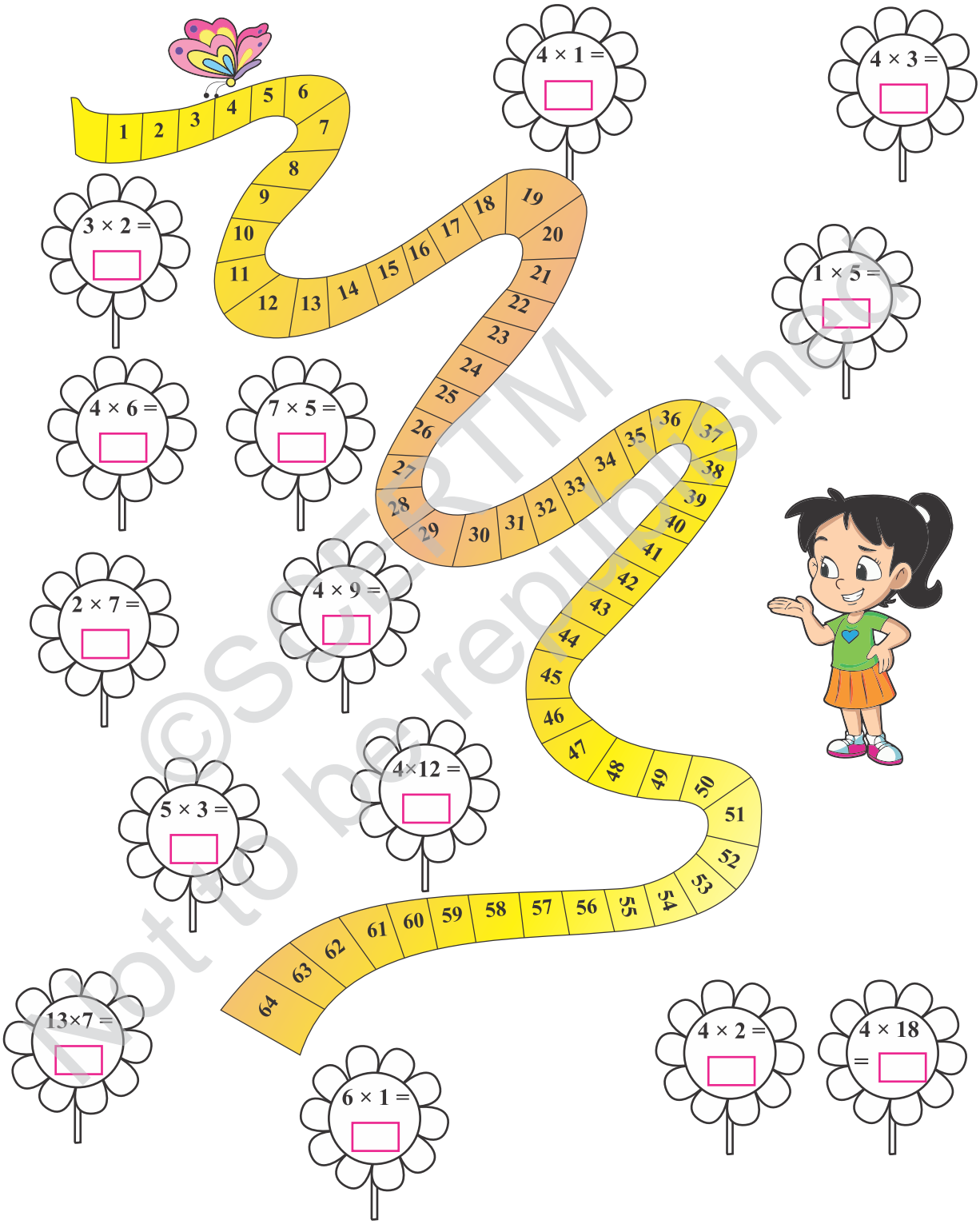
4) In a row there are 5 coconut trees, how many coconut trees in 7 such rows?

	Number of trees
×	Rows
	Total trees

5) 9 flowers were arranged in a bouquet. How many flowers are there in 8 bouquets?

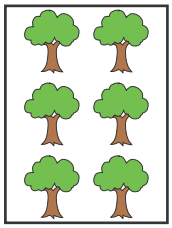
	Flowers in a bouquet
×	bouquets
	Total flowers

❍ **A butterfly flies in steps of 4. Colour the flowers that give the product in steps of 4.**

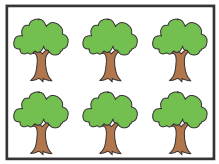


Properties of Multiplication

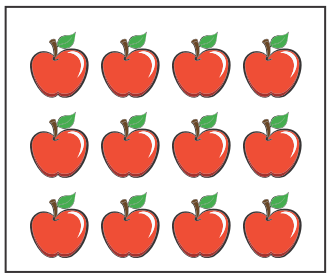
❍ **Multiply the following :**



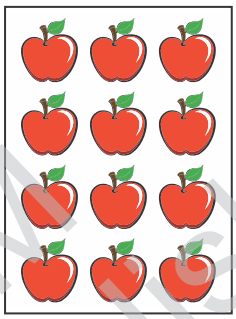
$3 \times 2 =$ ☐



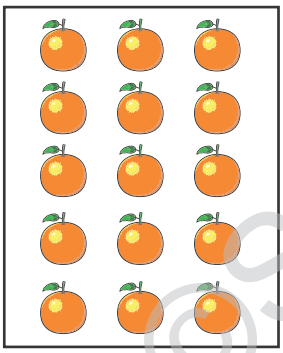
$2 \times 3 =$ ☐



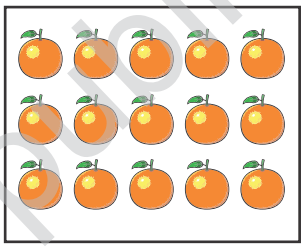
$3 \times 4 =$ ☐



$4 \times 3 =$ ☐



$5 \times 3 =$ ☐



$3 \times 5 =$ ☐

Even if we change the order of numbers in multiplication, we get the same product.

Multiplication of zero.

❍ **Complete the table :**

Pictures	Repeated addition	Multiplication	Product
	3 + 3 + 3	3 × 3	9
			
			
			

If we multiply any number by zero, we get product as zero.

❍ **Multiply the following :**

1) $4 \times 0 =$ ☐ 2) $5 \times 0 =$ ☐ 3) $0 \times 15 =$ ☐

4) $27 \times 0 =$ ☐ 5) $0 \times 17 =$ ☐ 6) $10 \times 0 =$ ☐

❍ **Complete the table :**

Example	Multiplicand	Multiplier	Product
$8 \times 4 =$	8	4	32
$5 \times 5 =$			
$6 \times 7 =$			
$9 \times 0 =$			

❍ **Solve :**

1)
	9
×	6
	54

Multiplicand
Multiplier
Product

2)
	8
×	7

....

3)
	3
×	8

....

4)
	9
×	4

....

5)
	7
×	9

....

6)
	8
×	8

....

6. Money : Rupees and Paise

Solve.

1) Aman has 8 notes of ₹ 10. To make an amount of ₹ 100, How many notes of ₹ 10 will be needed?

To make ₹ 100,

we need ..... notes of ₹ 10

2) To make an amount of ₹ 500, how many notes of ₹ 20 are needed ? .....

3) Anand has 2 notes of ₹ 20, 3 notes of ₹ 10. To make an amount of ₹ 300, How many notes are needed ? .....

4) To make an amount of ₹ 100, which all notes will be required? (Put a tick ✓ in the box.)

5) Count the money and write down the amount.

Rupees - Paise	Amount
	
	

❍ **How will you give amount to purchase the given items?**

Item	Price	Numbers of each Rupees/Paisa							
		500	200	100	50	20	10	5	1
	₹ 60				1		1		
	₹ 499								
	₹ 78								
	₹ 750								
	₹ 185								

❍ **Complete the table. Go to a grocery shop and write the cost of each item.**

puffed rice, Oil, clove, cumin seed, sugar, milk, salt, ghee, potato, onion.

Items	Quantity	Cost
Puffed rice	1 Kilogram	₹ 50
.....	.....	
.....	.....	
.....	.....	
.....	.....	
.....	.....	
.....	.....	
.....	.....	
.....	.....	
.....	.....	

❐❐❐

7. Understanding measurements

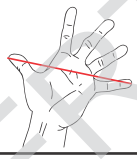
Length

❍ **Measure the width of the door of your house with the handspan.**

Now, let your family members count the same with their handspan and write their measurement.

Family member	Yours	Mummy	Daddy	Brother	Sister
No. of Handspan					

❍ **Find the length of the room using footspan, handspan and armspan.**

		
How many footspan	**How many handspan**	**How many armspan (from Elbow)**

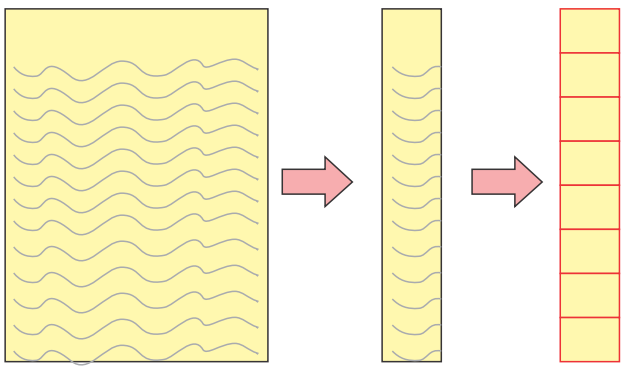
Did you get the same measurement from footspan, handspan, armspan? Explain why.

.....

.....

❍ **Lets have fun – Look at the pictorial explanantions.**

- Take a paper
- Take two finger space measurement on the paper then cut the strip.
- Now fold the cut strip at equal spaces.
- Unfold the strip.
- After unfolding we get the markings of fold on the paper.
- Now answer the given questions using this paper.



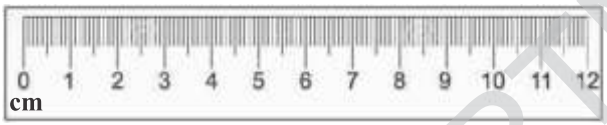
❍ **Using this cut strip measure the things given in table and complete the table.**

Family members	Length of book	Length of stool	Length of window
Mother/father			
Brother/sister			
Friend			

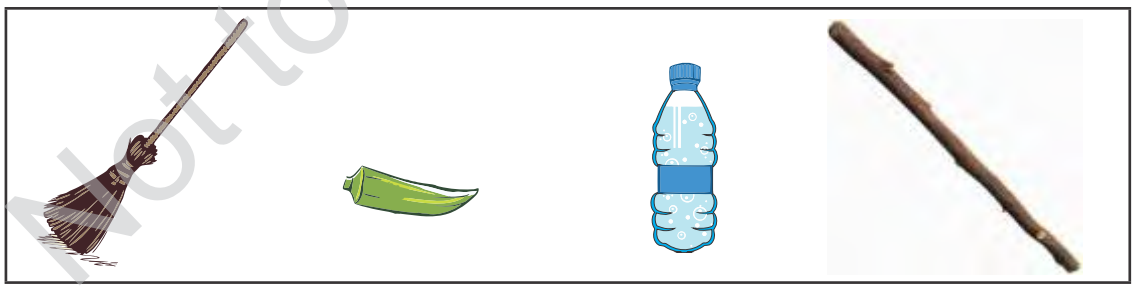
What was your observation?

Did you get the same measurement of the book from different people?

❍ **Observe the picture given below and complete the table.**

Measurement Tool	Uses
	....
	
	

❍ **Measure the approximate length and the actual length of each object given and write the table.**



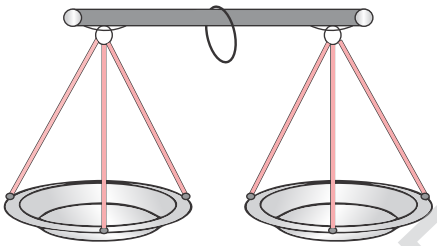
Approx	.....	.....	.....	.....
Actual				

❍ **Decide any one correct measurement unit for the following : (metre/centimetre).**

Length of Classroom	.....	Length of pen	.....
Distance between 2 poles of Kho-Kho	.....	Length of eraser	.....
Length of broom	.....	Length of gate	.....

Weights

Lets play :



Make a weighing balance as shown using any household things. If you have a weighing balalnce at home make use of it.
Write down the measurement by guessing and also by actually measuring. Measure the weight of pen, coin, eraser by using marbles, tamarind seeds or groundnuts.

❍ **Measure the weight of a ball or a coin by using these different items.**

Items	Approximate	Actual measurement
groundnut	.....	.....
marbles	.....	.....
tamarind seed	.....	.....

❍ **Why do we get the different measurements same thing of measured with different objects/things. Write in the box.**

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

❍ **Which measurement weights are used in Grocery shops? Discuss with the shopkeeper and write it below.**

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

- Make a list of items that we buy from grocery shop and write the weights of them that we buy.

Items					
Weights of items					

- Guess the weight them approximately and match the weights with them.

50 gm

25 kg

1 kg

5 kg

more than 1000 kg

- Write your house members approximate weights and actual measured weights in the given table.

Member	Approx	Actual
Mother		
Father		
Sister		

- Which instruments are used to measure weights? What are they called? Discuss this with you teacher and write it the box.

.....

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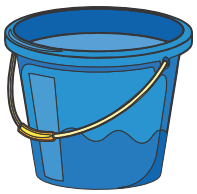
Containers and their capacity

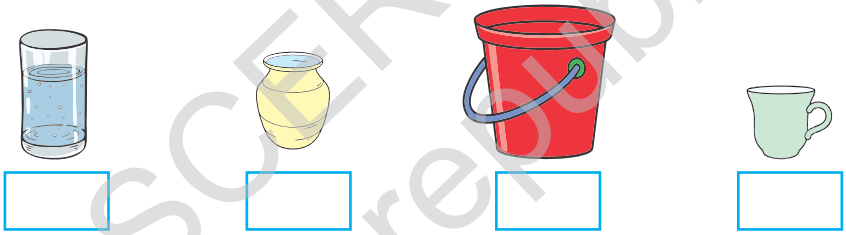
❍ **With the help of different sized containers fill the bucket. (Complete the Following)**

..... jugs of water.		..... glasses of water.
..... big cups of water		..... bottles of water.

To fill a bucket, we need ☐ **(more/less)** number of large sized containers.

To fill a bucket, we need ☐ **(less/more)** number of smaller sized containers.

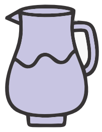
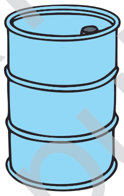
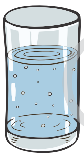
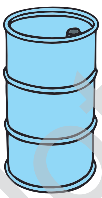
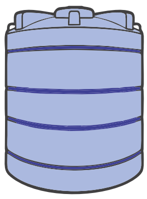
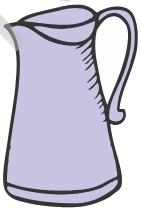
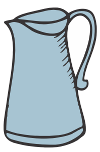
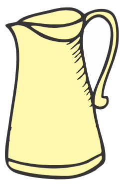
❍ **Put a tick in the box, which can hold maximum amount and put a cross in the box, which holds minimum amount of water.**



❍ **Match the following :**

10 litre	
$\frac{1}{2}$ litre	
100 ml	
1000 litre	

- Complete the following :

Vessels			Ascending order of capacities
A 	B 	C 	A C B
A 	B 	C 	
A 	B 	C 	
A 	B 	C 	
A 	B 	C 	
A 	B 	C 	

❍ **Calculate the capacity of vessels according to number of containers of half litre capacity they hold.**

Vessels	Number of half litre capacity measuring vessels	capacity (litre)
	3 measuring vessels	One and half litre
	4 measuring vessels	
	10 measuring vessels	
	40 measuring vessels	
	2 measuring vessels	

❍ **Distribute milk using 1 litre, 2 litre and 5 litre measuring vessels.**

Milk to distribute	1 litre capacity	2 litre capacity	5 litre capacity
3 litre	once	once	–
5 litre			
8 litre			
9 litre			
11 litre			
12 litre			

❐❐❐

8. Shapes and Pattern

- **Check what comes next in the given pattern.**

AA	BB	CC	AA				
AB	CD	EF	AB				

- **Complete the patterns.**

A

ABA

.....

ABCDCBA

ABCDEDCBA

1 + 1 = 2

1 + 2 = 3

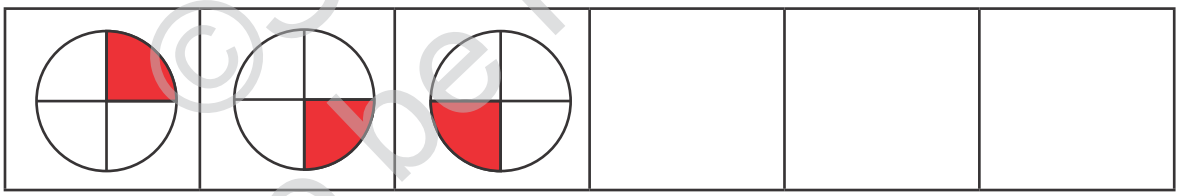
1 + 3 = 4

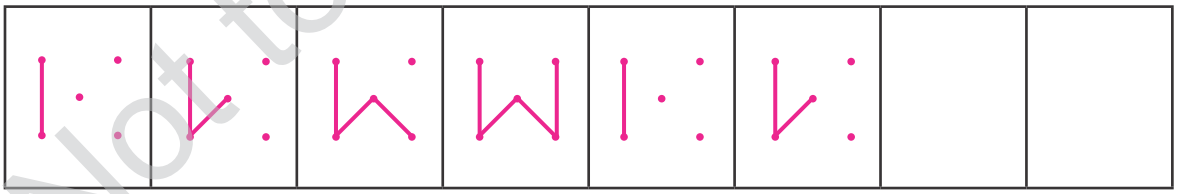
1 + 4 = 5

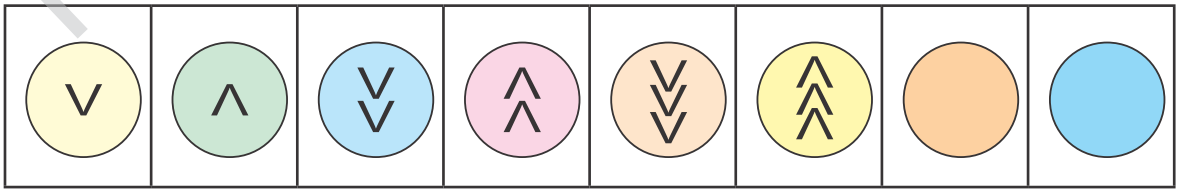
1 + ☐ = ☐

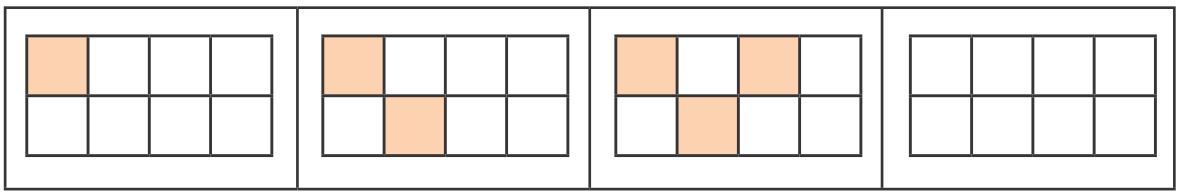
1 + ☐ = ☐

- **Complete the following patterns:**

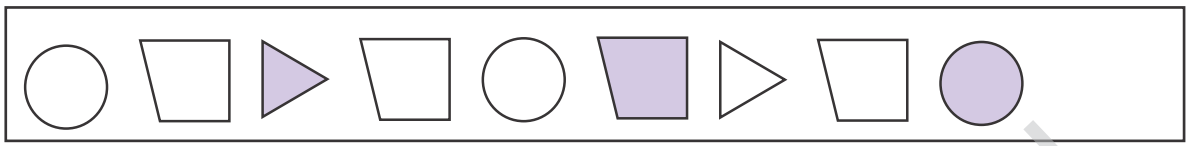






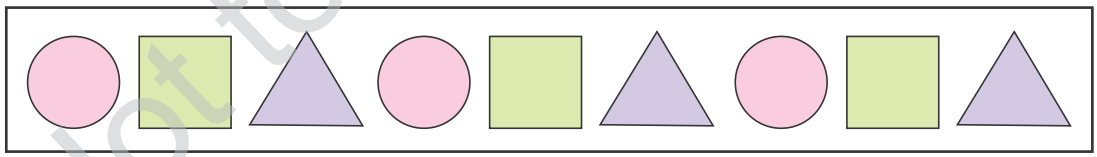


- **Which shape comes at tenth place?**

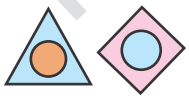


- **Design the dress of the doll with different shapes and patterns.**

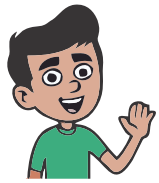
- **Observe the given pattern and encircle the correct option.**



1) AABH 2) AAB 3) ABA 4) ABC

-  **Using these figures make a pattern of ABA.**

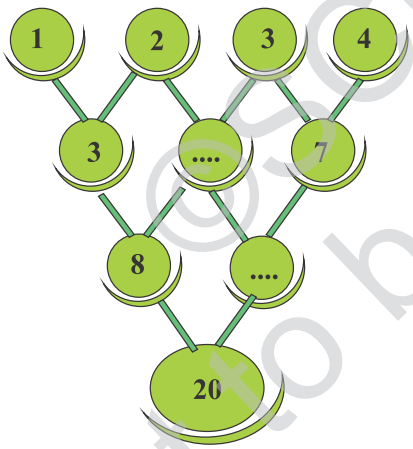
❍ 7 9 11 13 15



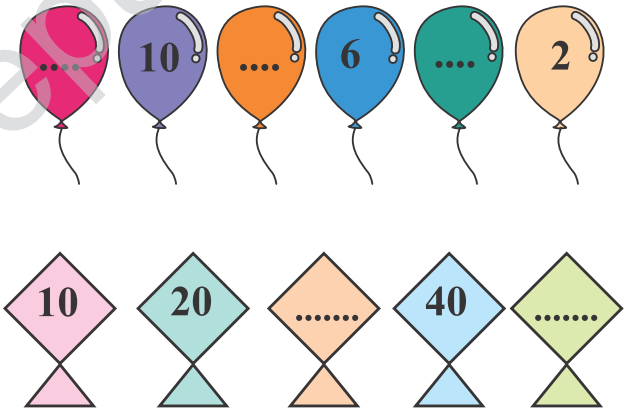
In the above number pattern we see it is two more than the earlier number. Similarly look at the given questions and find the patterns and fill in the numbers in the balloons.

2 4 8 ____ 32

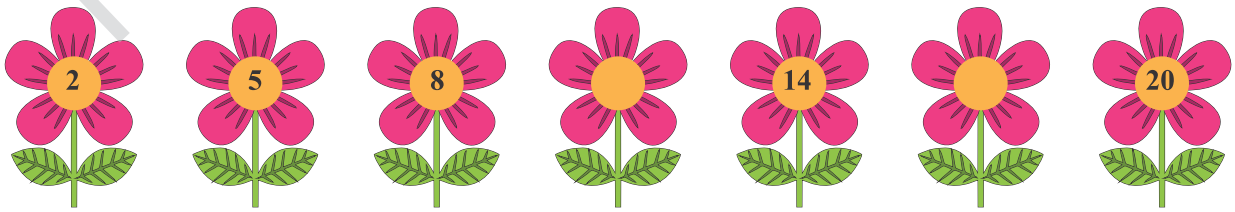
❍ **Complete the number pattern.**



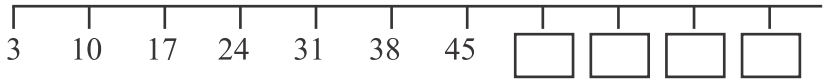
❍ **Complete the number pattern.**



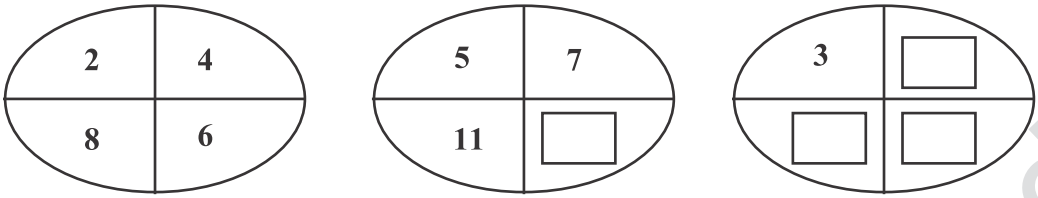
❍ **Write down the correct number on the flowers.**



- **Write the numbers in the blank boxes.**

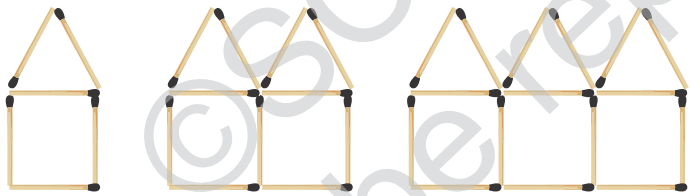


- **Write the correct numbers in the boxes.**



- **Look at the arrangement of matchstick and complete the table :**

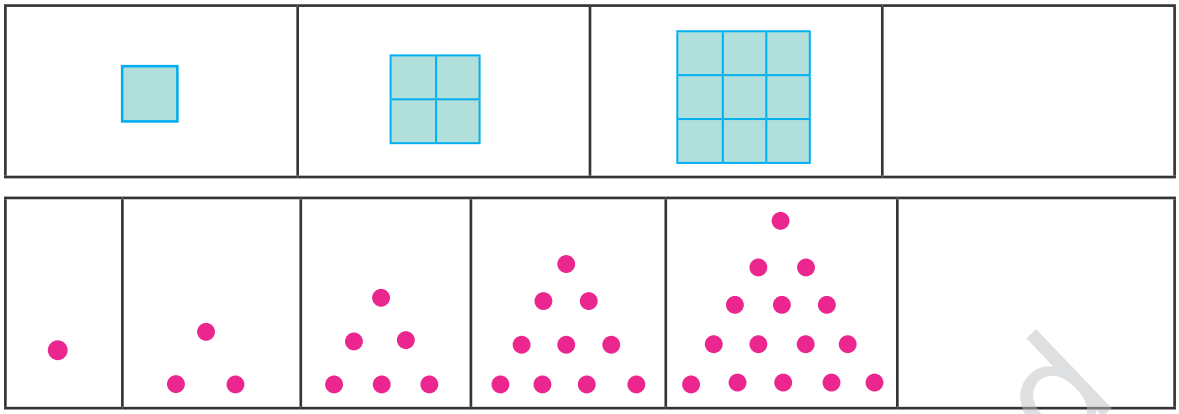
Number of matchsticks	3	6	9		
Triangles	1	2	3	4	5

- 

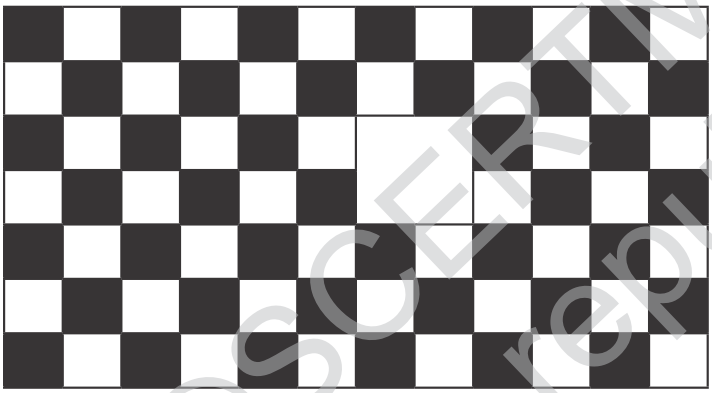
Number of houses	1	2	3	4	5
Number of matchsticks	6	11	16		

- **Make your creative design with the help of matchsticks.**

❍ **Look at the increasing pattern and fill in the next.**



❍ **Ajay has to fill in the tiling of his house.**
Select the correct tile to complete the pattern.



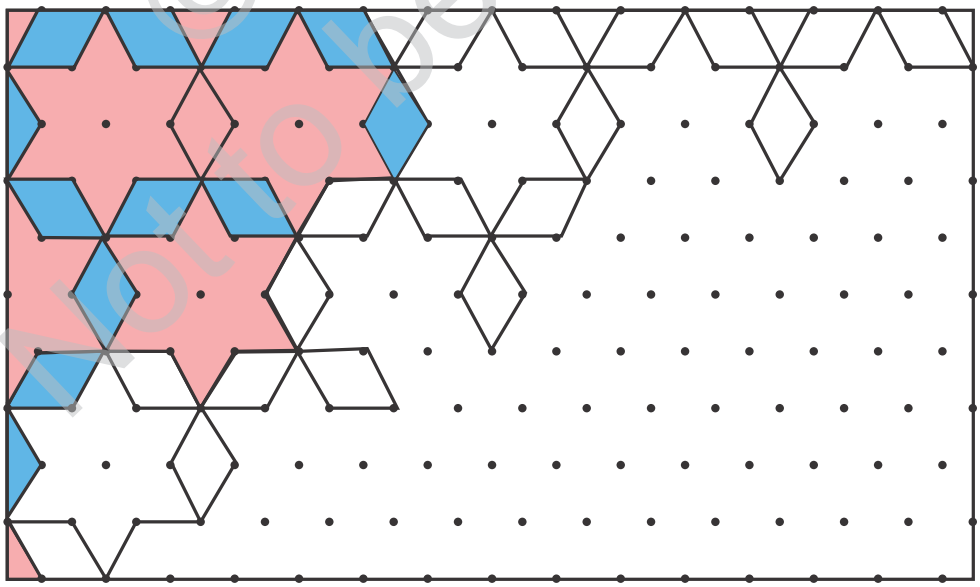
1) 

2) 

3) 

4) 

❍ **Complete the rangoli pattern and colour it.**



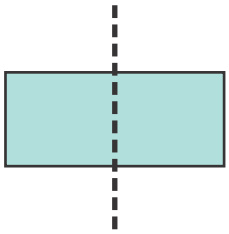
❐❐❐

9. Symmetry

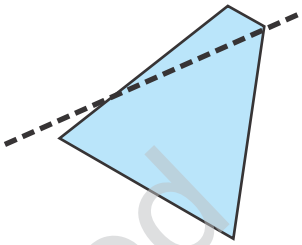
- When a line divides any letter, number, figure into two equal halves, then we can say that the image is symmetrical figure according to that line.
- When a line does not divide any letter, number, figure into two equal halves, then we can say that the image is not symmetrical figure according to that line.

Eg :

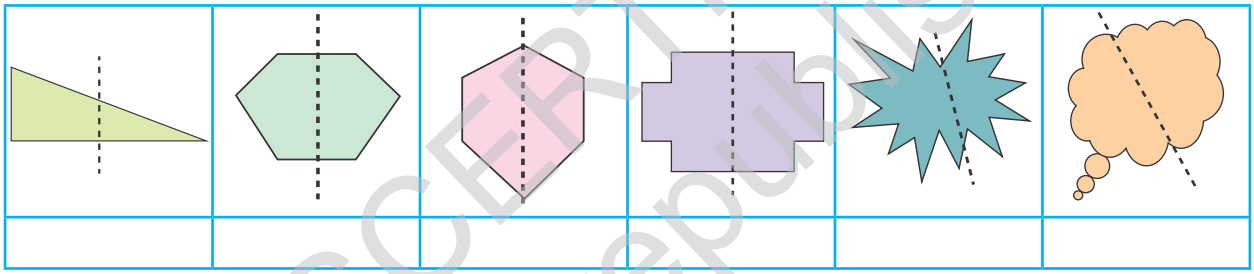
Symmetrical figure



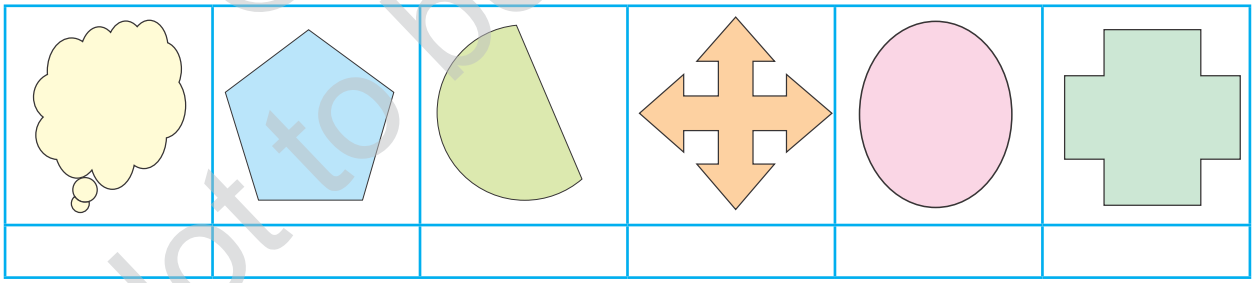
not Symmetrical figure



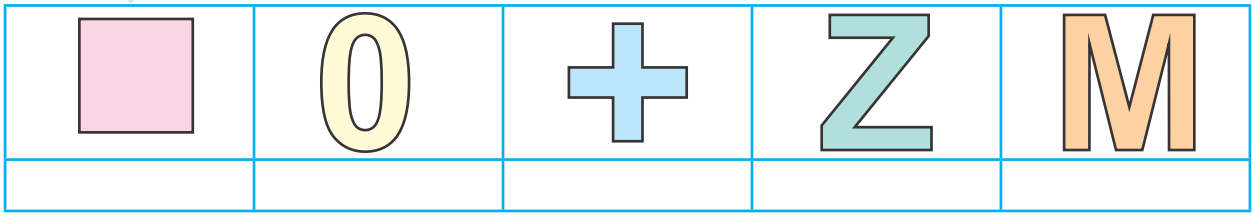
❍ **Put a tick mark to those figures who show symmetry and put a cross mark to those figures who do not show symmetry according to given line of symmetry.**

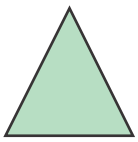


❍ **Draw a symmetrical line to the given figures and check whether the figure is symmetrical or not. Put tickmark for symmetrical figures and cross mark for non symmetrical figures in the box below.**

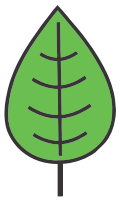
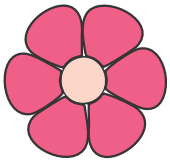
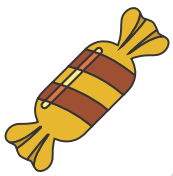


❍ **Draw symmetrical lines to the given figures and put tick mark for symmetrical figures and cross mark for non symmetrical figures in the box below.**

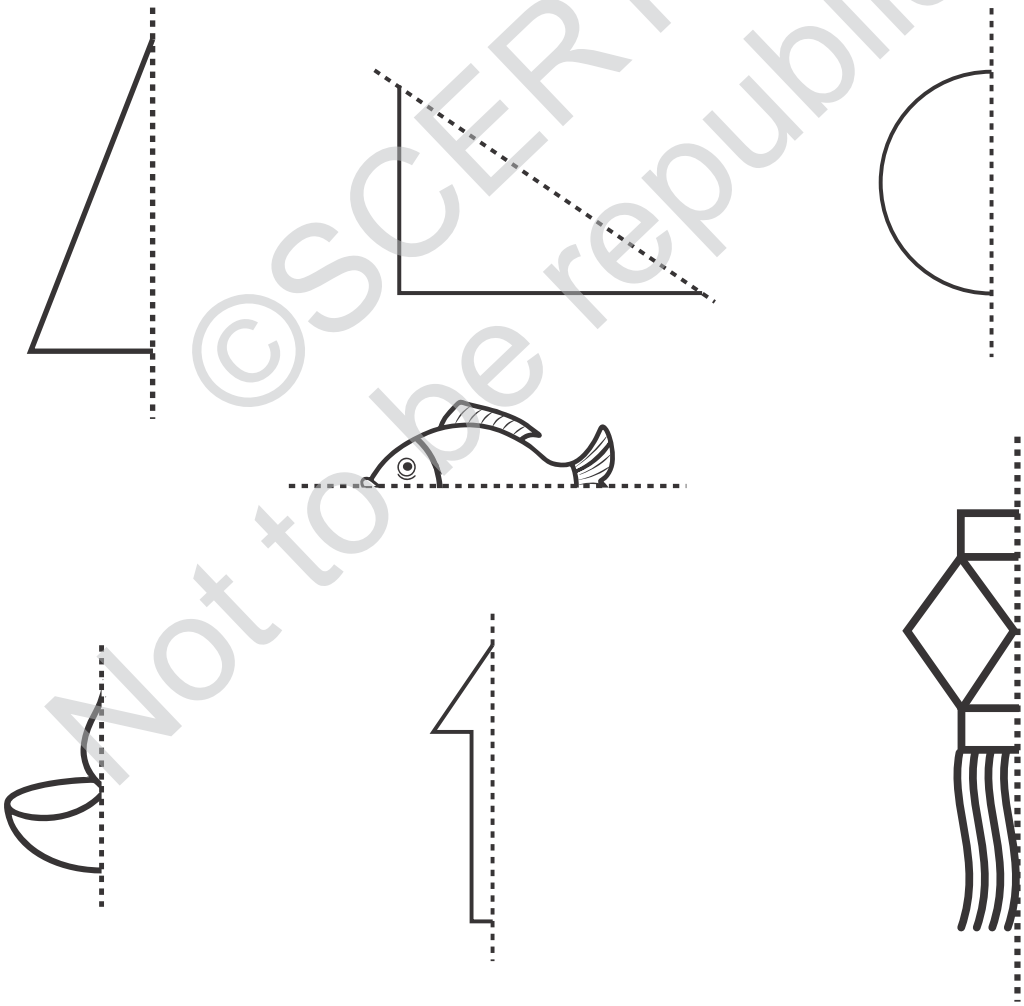


H	L		÷	X

❍ **Check whether these figures are symmetrical or not.**

					
Not Symmetrical	.....	.....	.....	.....	.....

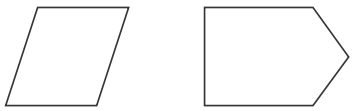
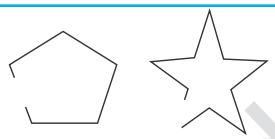
❍ **Draw the symmetrical figure to these given shapes and colour them.**



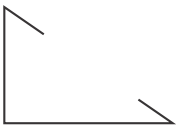
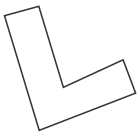
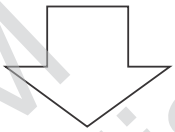
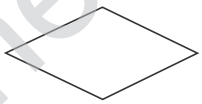
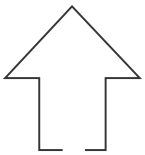
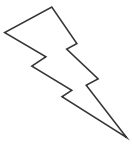
❍ **Write down any five capital letters that are not symmetrical.**

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

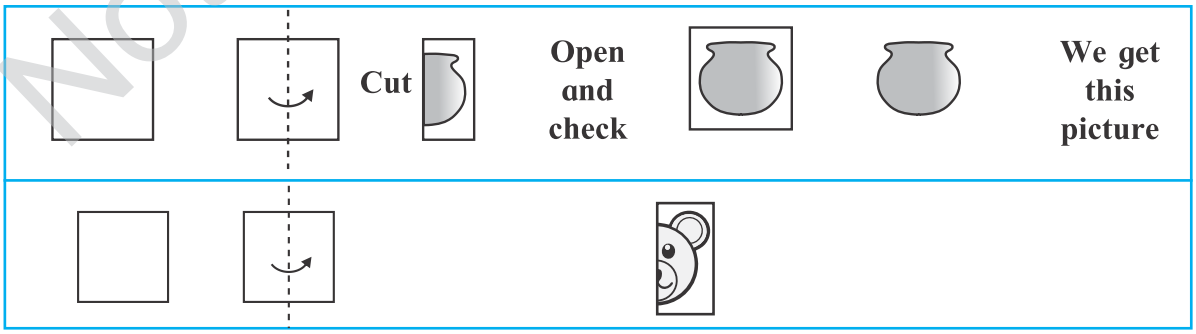
Closed figures , Open figures

Closed	Open
	

❍ **Write down which figures are open and which are closed.**

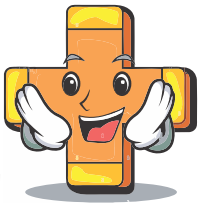
			
Open	.....	.....	.....
			
.....	.....	.....	.....
			
.....	.....	.....	.....

❍ **Fold the paper, draw any image or picture and try out as shown below.**



❐❐❐

10. Addition



❍ **Solve.**

1) Sumedha aunty works in a laddoo making factory. Everyday she prepares the laddoos as given below.

Monday – 36 moong laddoo	Tuesday – 42 rava laddoo
Wednesday – 28 moong laddoo	Thursday – 39 rava laddoo
Friday – 27 besan laddoo	Saturday – 46 besan laddoo

a) In a week how many moong laddoos were made by Sumedha aunty?

	T	U
+		

b) In a week how many rava laddoos were made by Sumedha aunty?

	T	U
+		

c) In a week how many besan laddoos were made by Sumedha aunty?

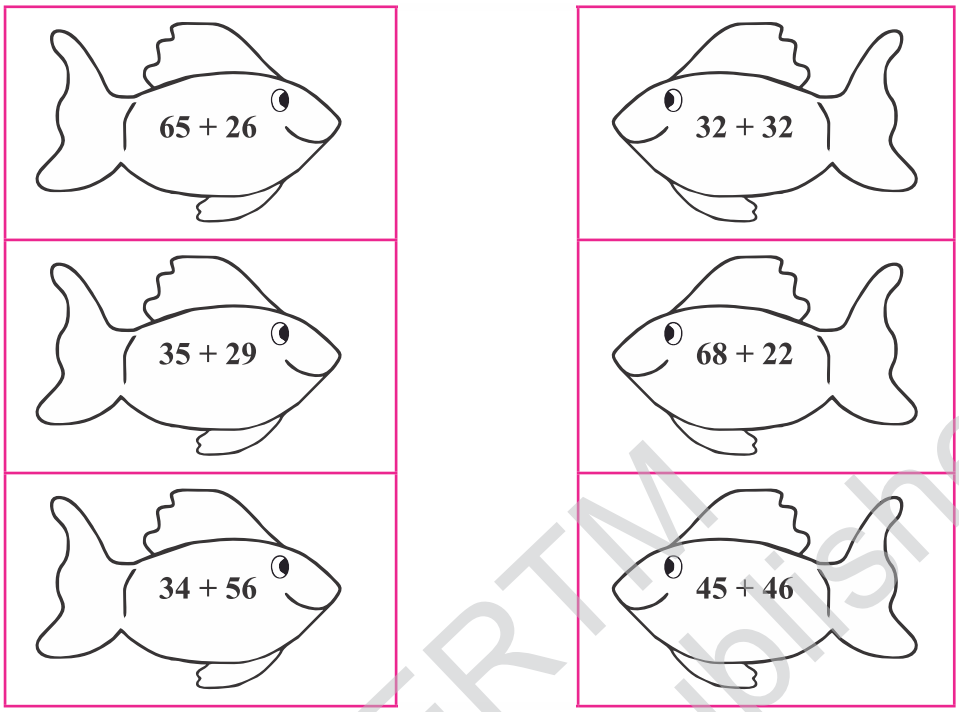
	T	U
+		

d) In a week how many moong and rava laddoos were made by Sumedha aunty?

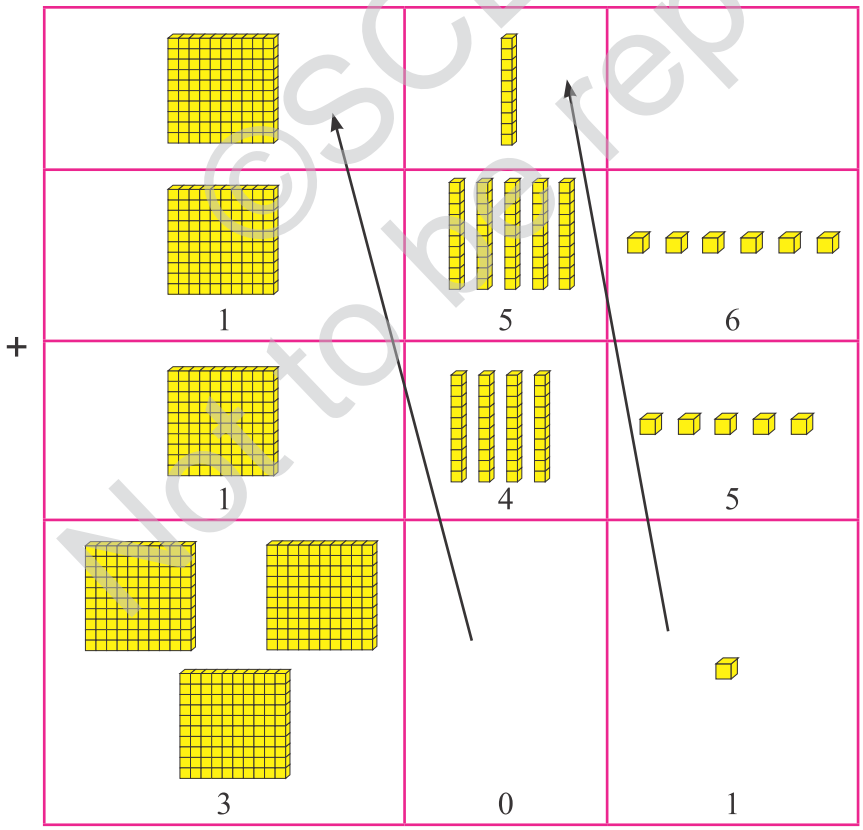
	T	U
+		

e) In a week how many laddoos of all types were made by Sumedha aunty?

2) Colour the fish with same colour having same answer and match the pairs.



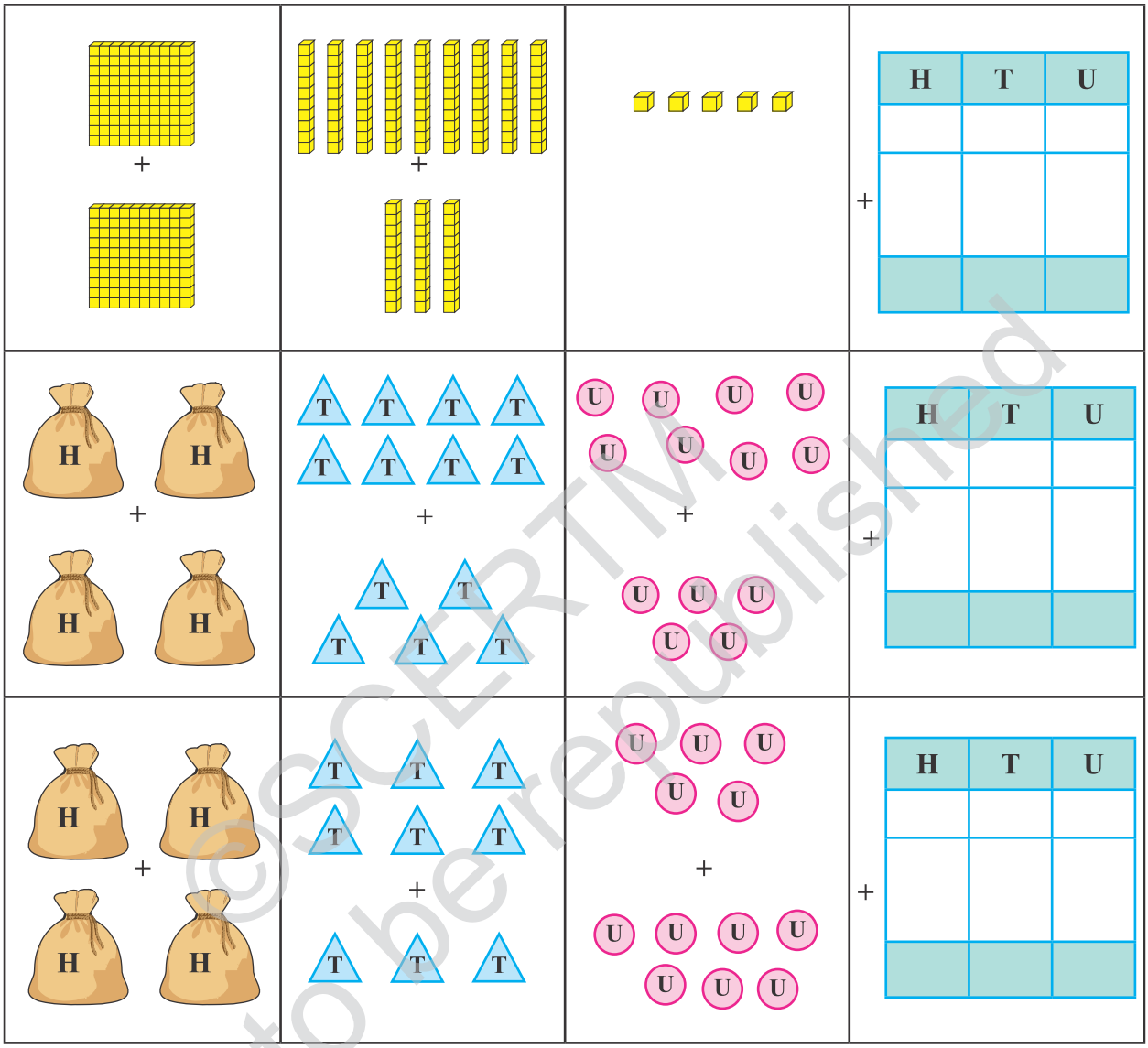
❍ **Observe the following example.**



+

H	T	U
1	1	
1	5	6
1	4	5
3	(1)0	(1)1

1) Write a numbers by observing the pictures and add them.



❍ **Solve the following examples.**

1)

	H	T	U
	7	4	2
+	1	2	8

2)

	H	T	U
	4	5	4
+	3	5	5

3)

	H	T	U
	5	4	4
+	2	7	0

4)

	H	T	U
+	7	0	8
	1	0	6

5)

	H	T	U
+	4	5	8
+	1	6	8
		2	9

6)

	H	T	U
+	6	5	7
+	2	6	2
		2	6

❍ **Solve.**

1) 299 + 71

+			

2) 455 + 128

+			

3) 803 + 169

+			

4) 599 + 309

+			

5) 269 + 170 + 204

+			
+			

6) 308 + 74 + 56

+			
+			

❍ **Write correct digits in the boxes.**

1)

	H	T	U
+	□	1	7
	2	□	3
	6	6	0

2)

	H	T	U
+	4	□	7
	□	3	□
	4	8	7

❍ **Add horizontally.**

1) 691 + 9 = ☐

2) 856 + 80 = ☐

3) 778 + 49 = ☐

4) 508 + 43 = ☐

5) 976 + 24 = ☐

6) 499 + 20 = ☐

❍ **Let's try.**

89	+	☐	=	☐
+		+		+
☐	+	156	=	☐
=		=		=
☐	+	☐	=	646

□	+	□	= 8
+		+	
□	-	□	= 6
=		=	
12		8	

❍ Word problems.

1) The library in the city has books as per following section.

For Children	Number of Books	For Adults	Number of Books
Autobiography	232	Novel	168
Science fiction	338	Saint literature	96
Folk tales	105	Anuwad	76

How many total books are there for children in the library?	How many total books are there for adults in the library?	How many books are there in all in the library?
H T U	H T U	H T U

2) Aditya has 445 rupees in his bank account. His father deposited 450 rupees more in the account. How much money has Aditya in his bank account now?

PASSBOOK

Date	Particulars	Withdrawal Amount	Deposit Amount	Balance Amount
				4300.00
03-01-22	ATM	100.00		
04-01-22	ATM	250.00		
06-01-22	ATM	300.00		
08-01-22	ATM	100.00		
12-01-22	ATM		200.00	
20-01-22	ATM		200.00	
27-01-22	ATM		100.00	4050.00
28-01-22	Cheque	3605.00		445.00

H	T	U

3) Yasmin's shop has 377 packets of brand 'A' milk, 106 packets of brand 'B' milk and 356 packets of brand 'C' brand milk. How many total packets of milk are there in the shop?

H	T	U

4) On 27th March 439 people got vaccinated with Covishield and 209 people with Covaxin. How many people were vaccinated on that day?

H	T	U

5) Rosie's mother asked her to buy grocery and vegetables from the shop. She received two bills as follow :

Grocery Shop Kudal Market		
Material	**Quantity**	**Amount**
Wheat	4 kgs	184
Oil	2 lit	356
Washing powder	1 kg	136
Total		

Vegetable Fruit Shop Kudal Market		
Material	**Quantity**	**Amount**
Snake gourd	2 kgs	120
Apples	1 kg	280
Banana	2 dozens	110
Total		

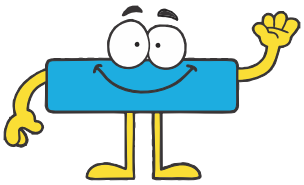
What is the total amount that Rosie paid in grocery shop? ☐

What is the total amount that Rosie paid in vegetable fruit shop? ☐

What is the total amount that Rosie paid to buy grocery, vegetables and fruits? ☐

❐❐❐

11. Subtraction



❍ **Word problems.**

Every year Swati goes for jungle safari and notes down the number of animals. As per her record the number of animals in year 2020 and 2021 are as follow :

Number of Animals		
Animal	**2020**	**2021**
Elephant	27	21
Deer	95	77
Bison	15	38

1) In the year 2021 by how much was the number of elephants less?

T	U

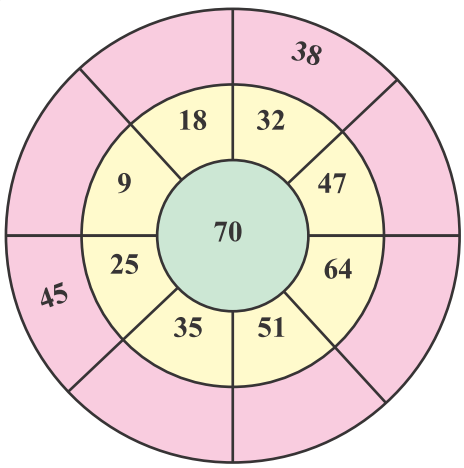
2) In the year 2021 by how much was the number of deer less?

T	U

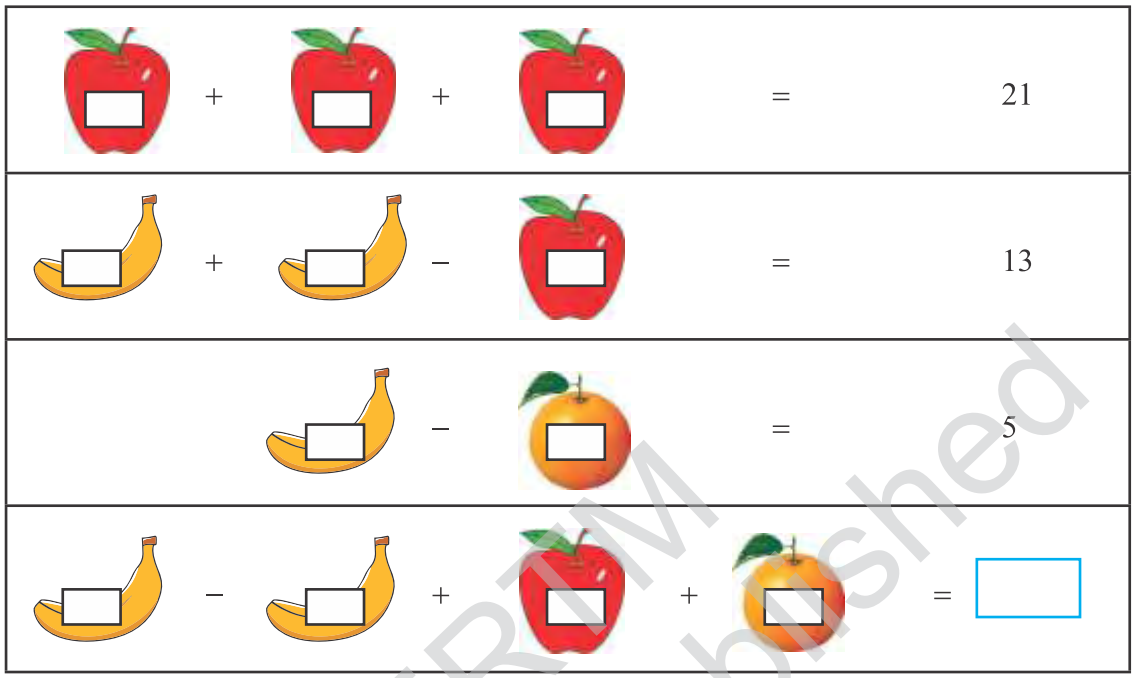
3) In the year 2021 by how much was the number of bison more?

T	U

❍ **Complete the wheel of subtraction.**



❍ **Let's try.**



❍ **Genelia has one note of 200 rupees. She has to pay 55 rupees to Yusuf. Help Genelia to get change from her father.**

200 rupee note

H	T	U
2	0	0

change

H	T	U
1	9	10

Now will Genelia be able to pay 55 rupees to Yusuf? .....

In which other way can we get a change of 200 rupees?

H	T	U

❍ **Make a change of the following amount.**

H	T	U
2	5	2

making units of tens →

H	T	U

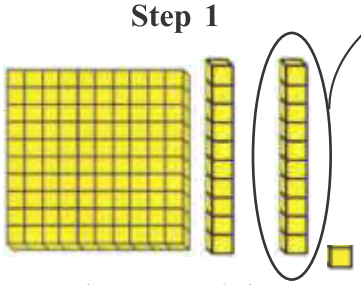
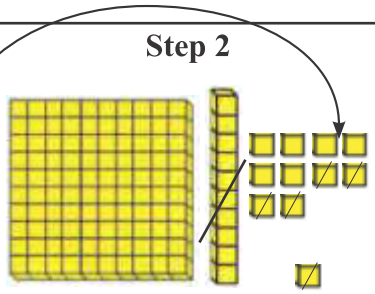
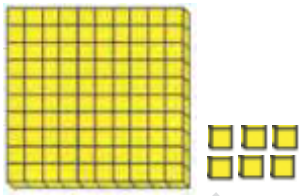
H	T	U
6	0	0

making units of tens →

H	T	U

❍ **Observe the example given below.**

121 − 15 = ?

Step 1	Step 2	Step 3
		
(arrange 121)	(subtract 15 by breaking 1 tens)	(106 will be left after subtracting 15 from 121)

❍ **Solve.**

H	T	U
2	3	8
−	2	9

H	T	U
4	4	4
− 1	5	3

H	T	U
5	4	4
− 3	6	5

H	T	U
8	4	2
−	3	8

H	T	U
5	6	8
−	4	9

H	T	U
4	3	4
−	5	1

H	T	U
7	8	3
−	9	1

H	T	U
2	3	3
− 1	5	5

H	T	U
6	2	3
− 4	8	8

❍ **Subtract horizontally.**

1) 800 – 199 = ☐

2) 905 – 18 = ☐

3) 305 – 124 = ☐

4) 510 – 19 = ☐

5) 490 – 105 = ☐

6) 701 – 163 = ☐

❍ **Solve.**

	H	T	U
	☐	4	4
–	5	☐	6
	1	8	8

	H	T	U
	☐	3	1
–	1	☐	9
	1	4	2

	H	T	U
	8	8	☐
–	☐	☐	9
		8	9

❍ **Solve the following word problems.**

1) Sonu has gone to a shop to buy tea. Help him to buy.

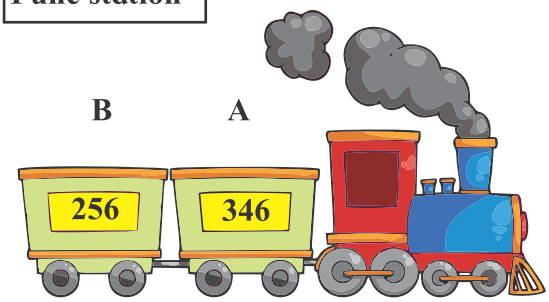
Which company tea is expensive? ☐

By how much is it expensive? ☐

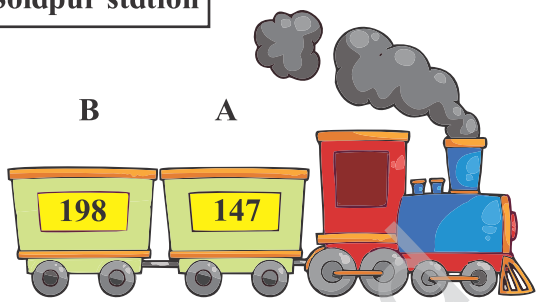
H	T	U

2) A goods train has left Pune station to go to Bangalore. Each wagon has the number of sacks written on it. During the journey a few sacks were unloaded at Solapur station.

Pune station



Solapur station



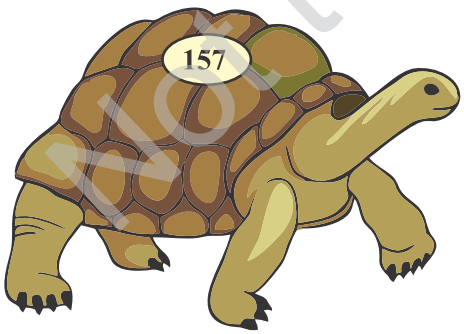
- How many sacks were unloaded at Solapur from wagon A?

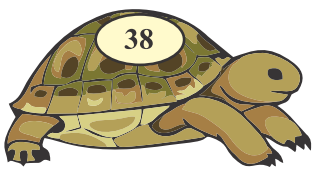
H	T	U

- How many sacks were unloaded at Solapur from wagon B?

H	T	U

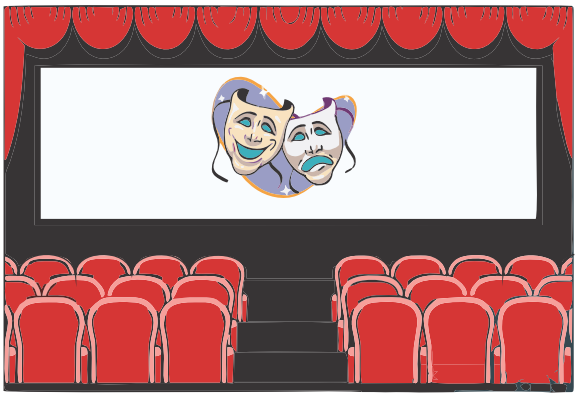
3) Age of daddy tortoise is 157 years and that of baby tortoise is 38 years. By how many years is daddy tortoise older than baby tortoise?





H	T	U

4) Seating capacity of an auditorium is 847. If 637 people have come to see a play then how many seats are still vacant?



H	T	U

5) Take the electricity bill of your house and find the difference between the units used in two months.

Last month units

Current month units

H	T	U

❍ **Mixed operations.**

1) Hamida's mother gave ₹ 500 note to her to buy fruits. She bought one kilo apples at the rate of ₹ 240 per kg and one kilo oranges at the rate of ₹ 120 per kg. The fruit seller returned ₹ 120 back to her. Did the fruit seller return correct amount? If not then how much more or less did he return?

2) Following chart shows sports liking of students in a school

	Kho-Kho	Kabaddi
Boys	326	356
Girls	385	288

- How many students like Kho-Kho in all?

Number of students liking Kho-Kho ☐

- How many students like Kabaddi in all?

Number of students liking Kabaddi ☐

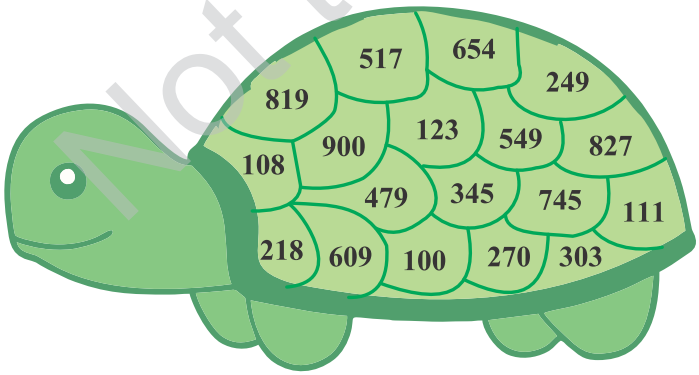
- Which sport is liked more by students?

.....

Difference between number of students ☐

3) There are 512 sacks of wheat in a godown. Out of those 235 sacks were sold and 137 sacks newly added. How many wheat sacks are there in the godown now?

4) Select any two numbers given on the back of tortoise and find their sum and difference.



(Tip : prepare few more examples like this and solve.)

❍ **Distance between cities.**

City	Solapur	Nanded	Amravati	Ratnagiri	Nashik	Kolhapur	Auranga-bad	Pune	Nagpur	Mumbai
Mumbai	411	630	710	389	185	423	404	170	910	0
Nagpur	640	240	155	1075	731	947	520	730	0	
Pune	242	446	568	368	446	238	227	0		
Auranga-bad	311	279	354	592	218	454	0			
Kolhapur	248	526	809	129	416	0				
Nashik	424	497	518	413	0					
Ratnagiri	370	655	840	0						
Amravati	549	289	0							
Nanded	271	0								
Solapur	0									

Observe the above information and answer the following question.

1) Which city is farthest from Nagpur?

.....

2) Which two cities have least distance between them?

.....

3) What is the distance between Aurangabad and Nashik?

.....

4) By how much is the distance between Pune and Ratnagiri more than Pune and Mumbai?

.....

❐❐❐

12. Multiplication

Multiplying tens

- **Solve.**

1) 10 × 4 = 40

2) 20 × 3 = ____

3) 70 × 1 = ____

4) 60 × 2 = ____

5) 50 × 5 = ____

6) 10 × 10 = ____

- **Multiply the following.**

1) 5 T × 2 = 10 T

2) 2 T × 4 T = 80 T

3) 2 T × 2 = ____

4) 5 T × 7 = ____

5) 6 T × 4 = ____

6) 9 T × 3 = ____

7) 3 T × 1 T = ____

8) 2 T × 4 T = ____

Lattice Method

- **Multiply using Lattice method.**

32 × 4 = (30 + 2) × 4

×	30	2
4	120	8

\+ 1 2 0 / 8 / 1 2 8

120 + 8 = 128

1) 52 × 3 =

(50 + ...) × .....

×	50	2
3		

3) 73 × 8 =

(....+ .....) × .....

×	70	3
8		

❍ **Use Lattice method to Multiply.**

1) 24 × 13=

×	20	4
10		
3		

2) 56 × 15 =

×	50	6
10		
5		

3) 43 × 27 =

×	40	3
20		
7		

4) 38 × 22=

×	30	8
20		
2		

5) 67 × 13 =

×	60	7
10		
3		

6) 62 × 12 =

×	60	2
10		
2		

❍ **Multiply the following.**

	T	U
	3	4
×		2
	6	8

	T	U
	2	1
×		3

	T	U
	2	2
×		4

	T	U
	1	3
×		2

❍ **Multiply the following.**

For eg. :

	T	U
	1	
	2	6
×		3
	7	18

	T	U
	1	5
×		6

	T	U
	2	3
×		4

	T	U
	4	6
×		2

❍ **Multiply the following.**

	H	T	U
	2		
		7	3
×			3
	2	21	9

	H	T	U
		5	6
×			4

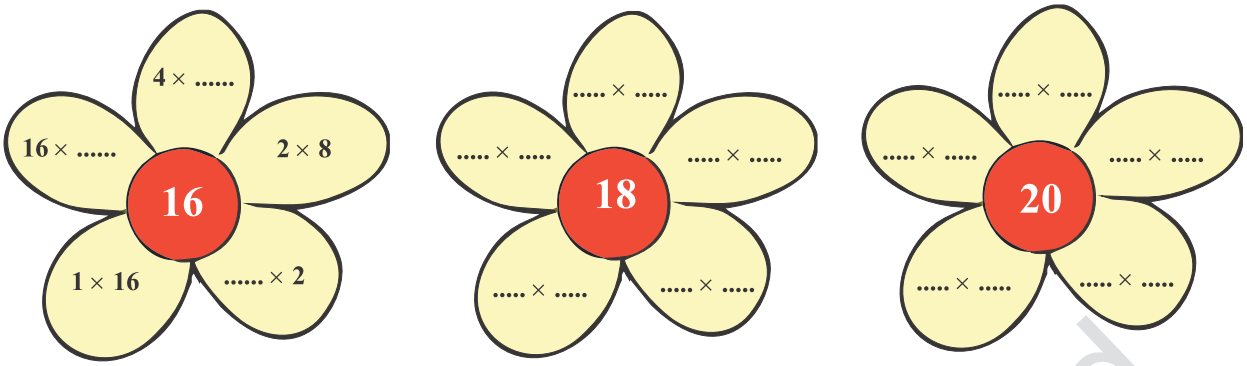
	H	T	U
		2	1
×			5

	H	T	U
		6	0
×			6

	H	T	U
		8	2
×			4

	H	T	U
		5	4
×			3

❍ **Fill in the blanks with correct number.**



❍ **Solve.**

1) 2 × ☐ = 12

2) ☐ × 7 = 21

3) 5 × ☐ = 20

4) ☐ × 3 = 27

5) 4 T× ☐ = 12 T

6) ☐ × 2 T = 2 U

❍ **Solve.**

1) 43 × 22 = ☐

2) 74× 13 = ☐

3) 55 × 16 = ☐

4) 35× 24 = ☐

❍ **Fill in the boxes with correct numbers.**

×	1	2	3	4	5	6	7	8	9	10
1	1	2			5					
2		4		8						
3			9							
4				16						
5		10								

❍ **Join the lock to the right key by drawing a line.**

❍ **Solve.**

1) In a class there are 34 students. If each student plants 4 trees then how many trees are planted in all?

2) One box of crayons is for 15 rupees. How much money will be spent to buy 27 such boxes?

3) A box can hold 42 sweets. How many sweets will be there in 39 such boxes?

4) There are 14 lines on one page of the notebook. How many lines will be there on 56 such pages?

5) One day has 24 hours. How many hours will be there in the month of November?

6) There are 28 flats in a building. How many flats would be there in 20 such buildings?

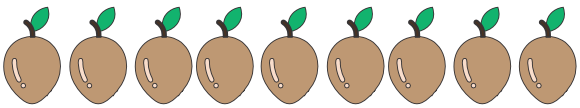
❐❐❐

13. Division

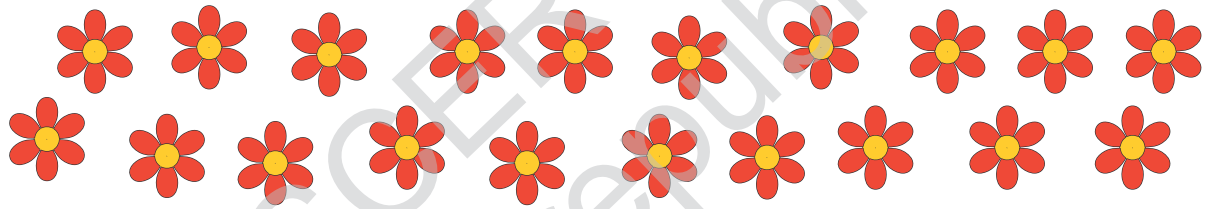
Equal Distribution

❍ **Solve.**

Deepak : My aunt gave me 9 chikoos from the tree, let us distribute them equally amongst 3 us



Number of chikoos each person got	 **Deepak**	 **Ovi**	 **Ojaswi**

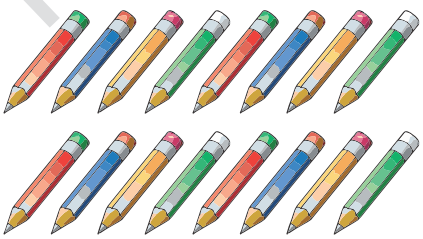


1) There are 20 flowers in the above picture. If they are distributed equally amongst two people how many flowers will each get?
2) If 20 flowers are equally distributed amongst 4 people, how many flowers will each person get?
3) If 5 flowers are kept in one basket then for 20 flowers how many baskets will be required?

❍ **Solve.**

1) 16 colour pencils were distributed equally amongst 4 students then how many pencils will each get?

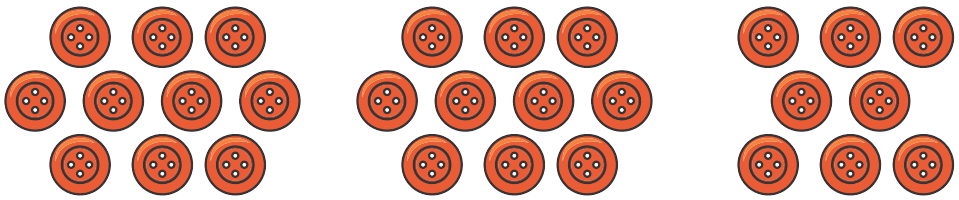
Total Pencils



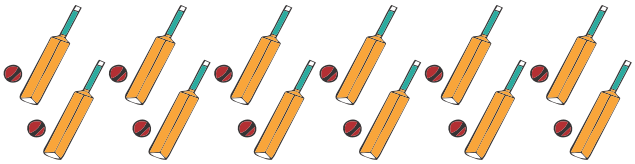
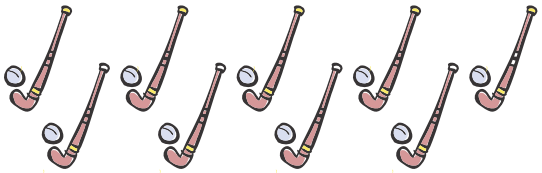
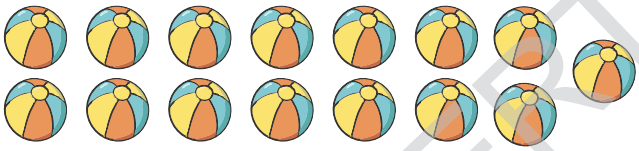
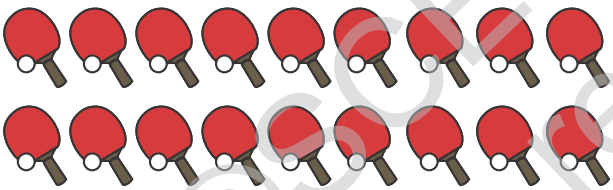
Each person's share

Rohit George Saina Swara

2) A tailor wants to stitch 28 equal buttons on each given shirt. Draw those many buttons on the shirt as many each will have.



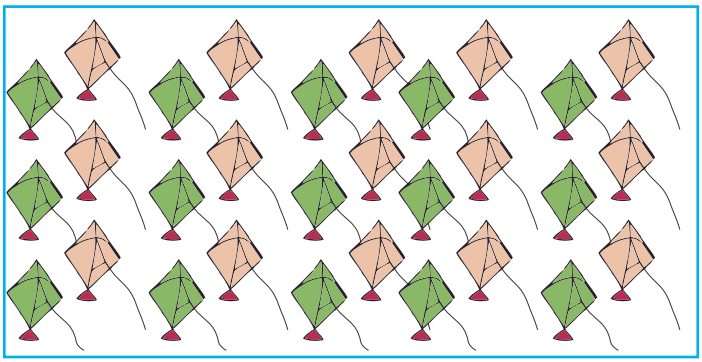
3) A variety of sports equipment has arrived on Nachlondhi center and is to be distributed equally amongst 3 schools. Let us distribute.

Sports Equipment	Total Number	Each school's share		
		Kharpadi	Amlon	Vajwad
	12	4	4	4
				
				
				

Making groups

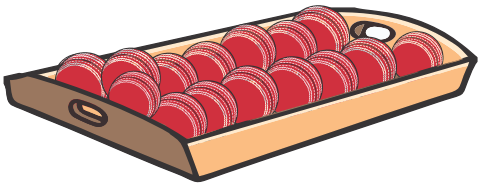
- **Solve.**

1) On the occasion of Makar sankranti Radha aunty got 30 kites for the children of Fanaspada. If each child is given 2 kites then how many children will get the kites?

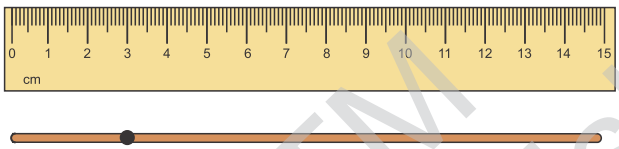


Number of children who got the kite ☐

2) 15 balls are there in the big tray kept alongside. These balls are to be transferred to small tray. If one small tray can hold 5 balls then how many small trays will be needed? Draw the balls and find out.



3) A 15 cm thread is cut in small pieces of 3 cm each. How many pieces will you get?



Number of pieces ☐

Repeated subtraction

❍ **Solve.**

1) Abhijit distributed 12 footballs amongst his friends such that each got 3 balls. How many friends got the ball?

12 – 3 = 9 one

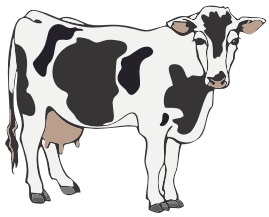
9 – 3 = ☐ two

6 – 3 = ☐ three

3 – 3 = ☐ four

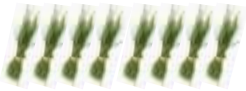
Abhijit distributed footballs to his ☐ friends

2) Bhaskar has 16 bundles of grass. His cow needs 4 bundles each day. How many days will these bundles be sufficient for him?



16 – 4 = ☐ ..... day

☐ – 4 = ☐ ..... day



☐ – 4 = ☐ ..... day

☐ – 4 = ☐ ..... day

Bhaskar could feed his cow for ☐ days

❍ **Solve.**

Jatin's hobby is to collect postal stamps. Observe his collection and answer the following questions.

1) How many tickets does Jatin have? ☐
2) If these tickets are distributed amongst Somnath, Deepak, Umakant and Kanta then how many tickets will each one get? ☐
3) If 4 tickets are kept in one packet then how many packets will be required? ☐
4) If all tickets are distributed amongst 8 children then how many tickets will each one get? ☐
5) If these tickets are distributed equally amongst 3 children then how many tickets will be left? ☐

❍ **Solve.**

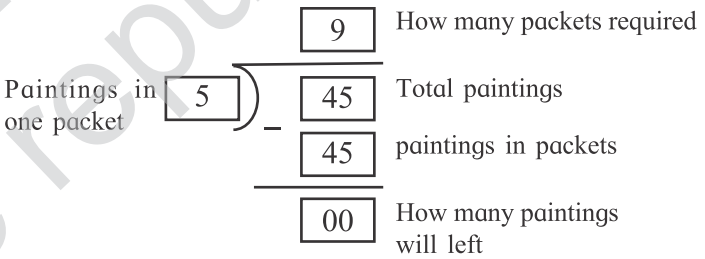
Gorakh, Shashikant, Ramesh and Adira went to a shop to buy notebooks. If cost of one notebook is 7 rupees how many notebooks will each of them be able to buy?

	Amount each one has	Number of notebooks they can buy	Amount left
Gorakh	42		
Sashikant	70		
Ramesh	35		
Adira	50		

❍ **Solve the following.**

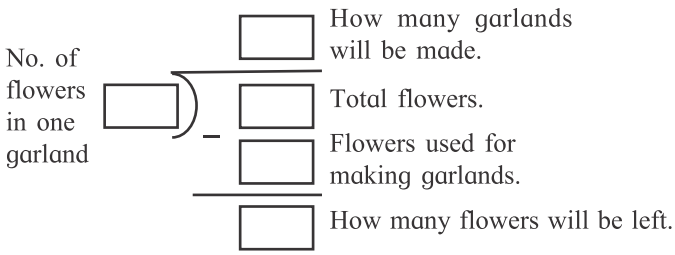
A painting seller has 45 paintings. If 5 paintings are packed in one packet then how many packets will be required?

Total paintings : 45
Number of paintings in one packet : 5
Number of paintings left : 0
Number of packets required : 9

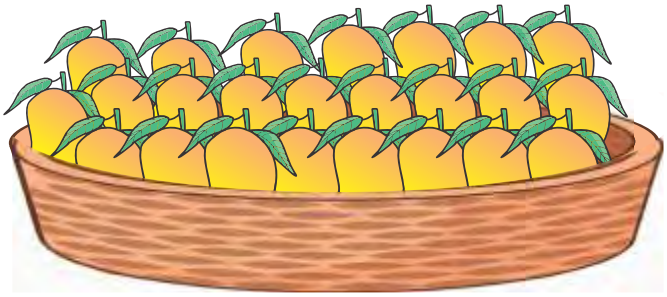


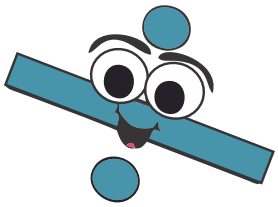
1) Salma got 42 flowers from the garden. If she uses 7 flowers for one garland then how many garlands can she make?

Total number of flowers : ☐
Number of flowers in garland : ☐
Number of flowers left after making garlands : ☐
Number of garlands made : ☐



2) Ruby got 24 mangoes from market. She distributed them amongst 4 of her friends.



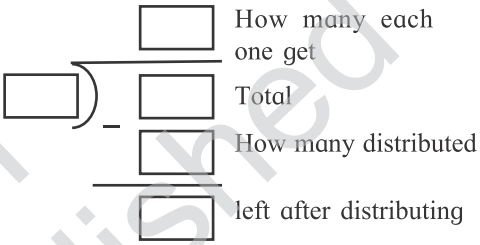


Total mangoes : ☐

Distributed amongst : ☐

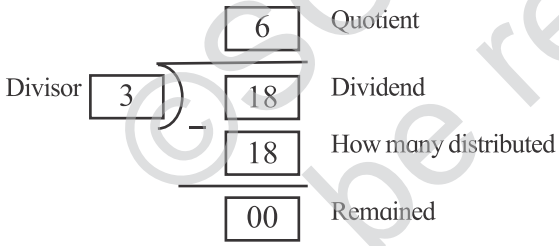
Number of mangoes each one got : ☐

Number of mangoes left after distributing : ☐

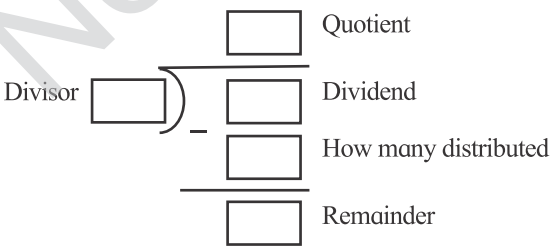


❍ **Solve.**

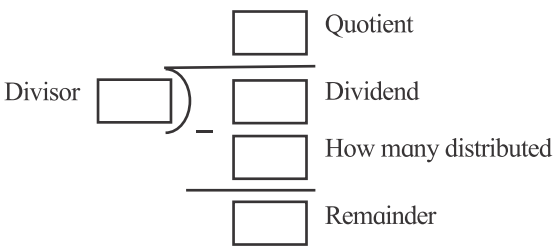
- If each student gets 3 kg rice then amongst how many students 18 kg rice will be distributed ?



1) A teacher got 16 notebooks and distributed amongst 4 students. How many notebooks did each student get?



2) Akshata has 33 biscuits and she equally distributed them amongst 7 of her friends. How many biscuits will each friend get?



3) 37 rajgira laddos are distributed equally equally amongst 6 ladies. How many laddos did each lady get?

4) How many students will get money if 36 rupees is given at 5 rupees per student?

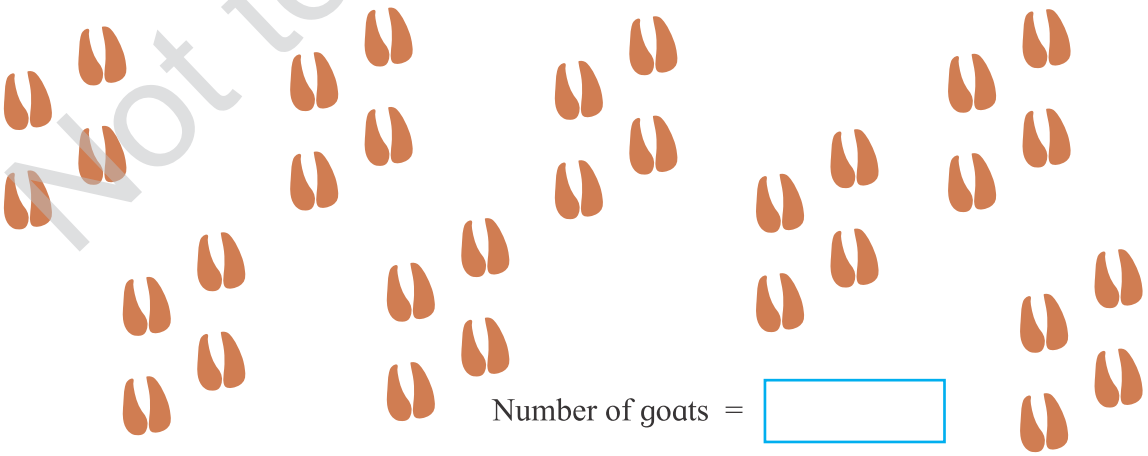
❐❐❐

❍ **Let us try.**

1) If all the students in Meena Tai's class are holding the notice board with both their hands then how many students are there in the class?

Number of students in the class = ☐

❍ **Based on the footprint find the number of goats.**

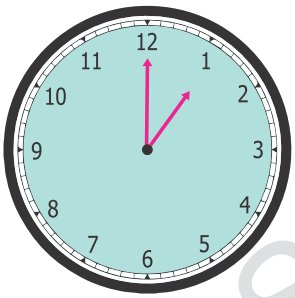


Number of goats = ☐

14. Calculating time

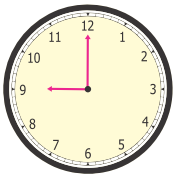
❍ **Draw minute hand and hour hand in the following clocks.**

❍ **How many minutes will it be if minute hand moves from 12 to 1?**



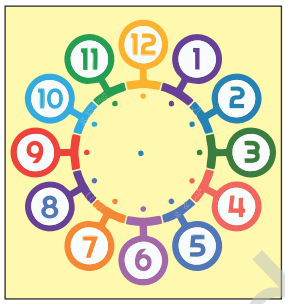
❍ **How many minutes will it be if hour hand moves from 12 to 1?**

❍ **Write the time shown by the clock.**

Clock	Time
	.....
	.....
	.....

❍ **Show the given time in the clock.**

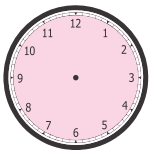
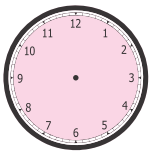
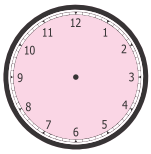
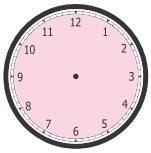
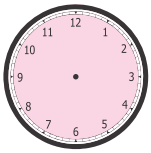
30 minutes past 4	15 minutes past 12	45 minutes past 3



❍ **Approximately how much time is needed for the given activity.**

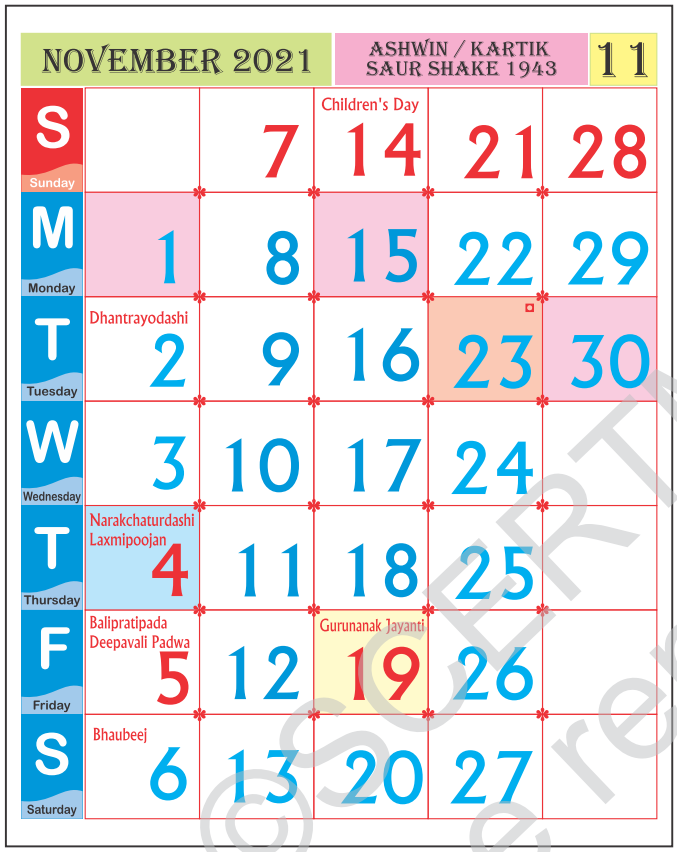
Activity	Boil half litre milk	Making 2 chapatis	Making garland
Time			

❍ **Complete the table.**

Activity	**Time**	**Show time**
Getting up in the morning	45 minutes past 6	
Taking bath	.....	
Having breakfast	.....	
Going to school	.....	
Returning from school	.....	

15. The calendar

❍ **Observe the calendar and answer the questions.**



NOVEMBER 2021 — ASHWIN / KARTIK SAUR SHAKE 1943 — 11

S Sunday	M Monday	T Tuesday	W Wednesday	T Thursday	F Friday	S Saturday
	1	Dhantrayodashi 2	3	Narakchaturdashi Laxmipoojan 4	Balipratipada Deepavali Padwa 5	Bhaubeej 6
7	8	9	10	11	12	13
Children's Day 14	15	16	17	18	Gurunanak Jayanti 19	20
21	22	23	24	25	26	27
28	29	30				

1) How many days are there in the month of November?

2) Number of Monday.

3) Date on second Saturday.

4) Day on Children's Day.

5) Date on Gurunanak Jayanti.

❍ **Answer the following questions without using a Calendar.**

1) Today's date is 6 and its Monday. What will be the date on next Monday?

2) It is Sunday on 27th. What was the date on last Sunday?

3) Today's date is 8 and its Friday. What day will it be on last day of January month?

4) Last day of April month is Tuesday. What was the date on previous Tuesday?

5) The first day of February is Tuesday in 2022. What will be the last day of the month?

❍ **Complete the following table.**

Name	Birth date	Age in years as on today
Sarika	02.07.2004	
John	18.11.2004	
Ramesh	02.02.2005	
Sania	03.03.2003	
Premsingh	07.08.2010	

❍ This year 26th December is celebrated as birth century of Pritam's grandfather. What is Pritam's grandfather birth date?

❍ Jui's birth date is 28.02.2020. When will be her next birthday?

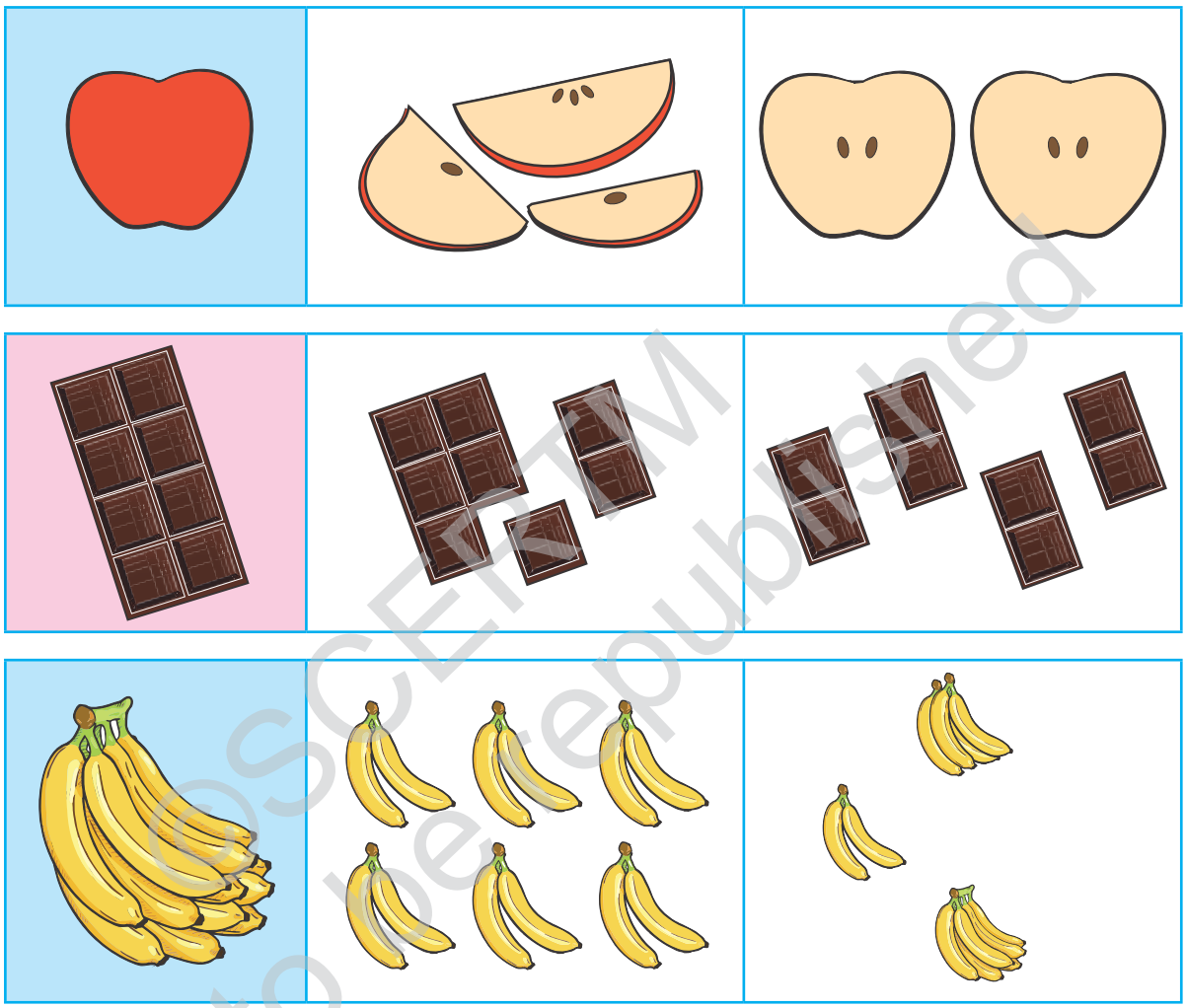
❍ **Complete the following table.**

Day	Yesterday's date	Today's date	Tomorrow's date
Sunday		21	
Wednesday		17	
Saturday		20	
Monday		8	
Thursday		26	

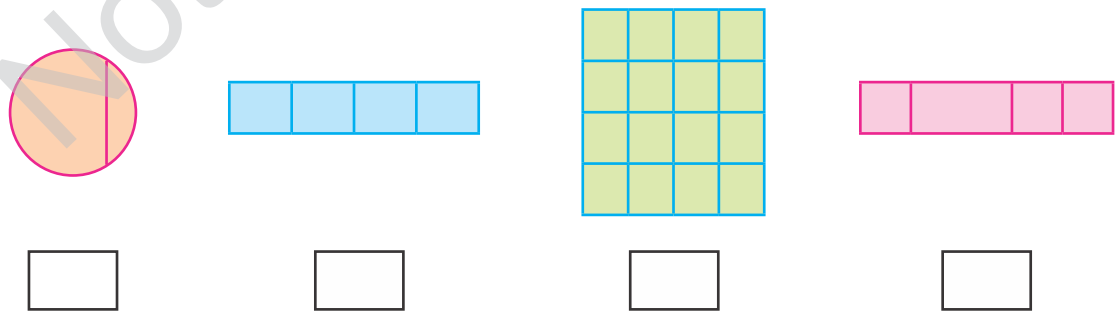
❐❐❐

16. Fractions

❍ **Circle the group that shows equal parts of the given things.**



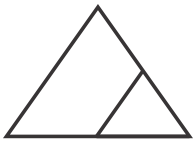
❍ **Put a ✓ below the picture that shows equal parts and a ✗ if the parts are unequal.**

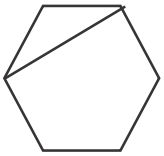
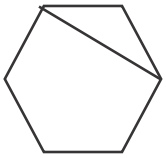


❍ **Complete the table.**

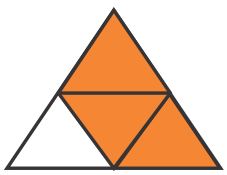
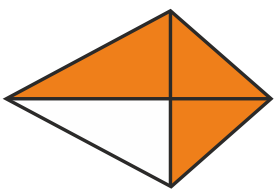
	Number of equal parts	Coloured parts
	4	2
		
		
		

❍ **Colour the box below the shape that shows equal parts.**

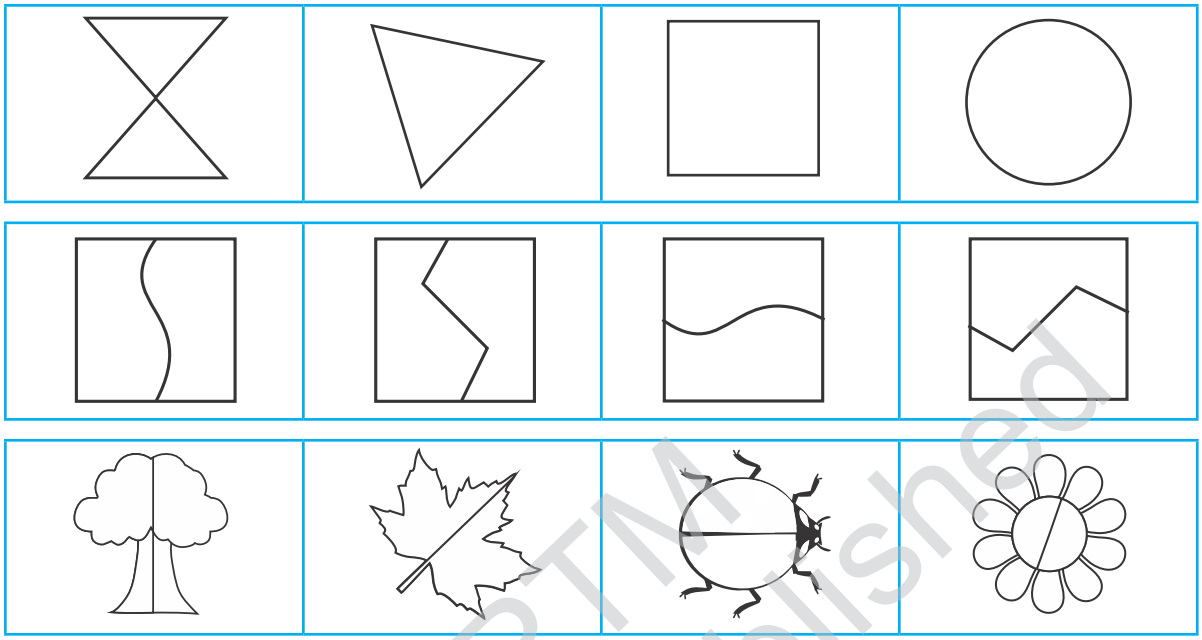
			
			

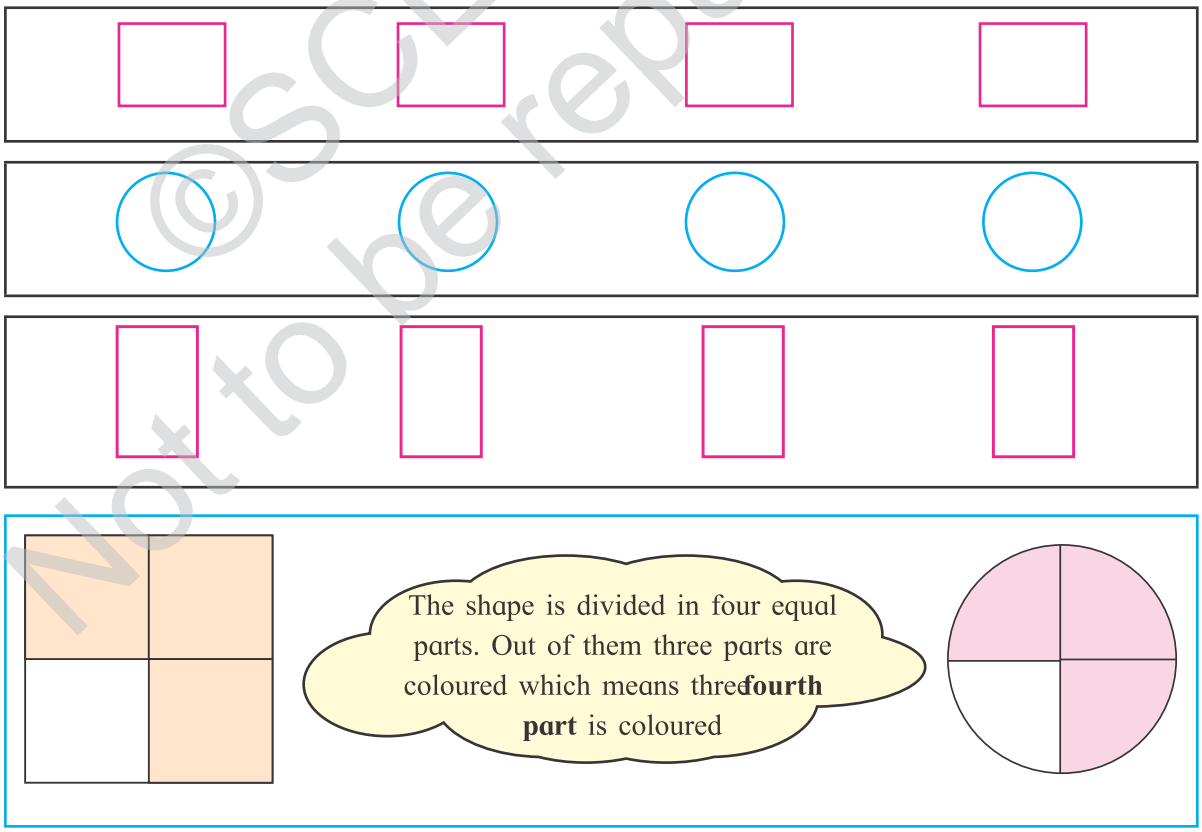
❍ **Circle the number that shows half of the picture coloured.**

			
(1)	(2)	(3)	(4)

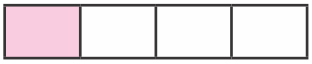
❍ **Colour half of each of the shape given.**



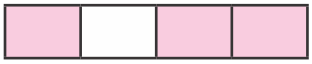
❍ **Divide each of the following shape in equal parts in different ways and colour one fourth of it.**



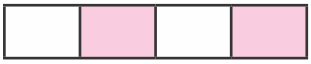
❍ **In the following shapes write the part that is coloured.**



Quarter

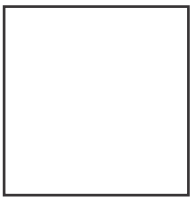


.....

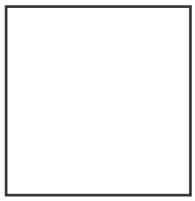


.....

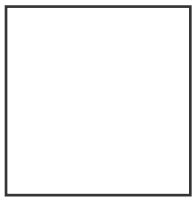
❍ **Colour the following shapes as per the given instructions.**



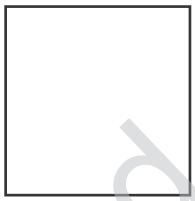
Whole



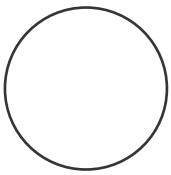
Half



Quarter



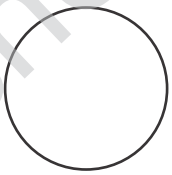
Three quarters



Whole

Half

Quarter



Three quarters

❍ **Who am I?**

1) I am half of half. .....

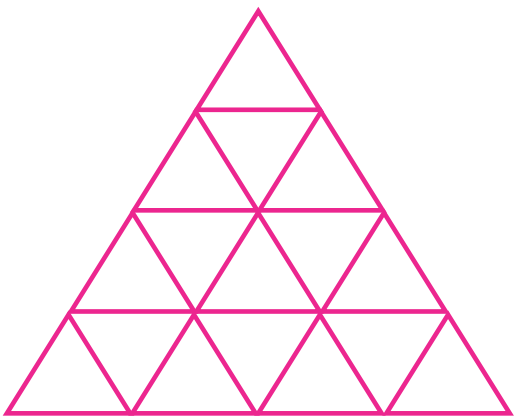
2) I am quarter less than a whole. .....

3) I am made of 2 quarters. .....

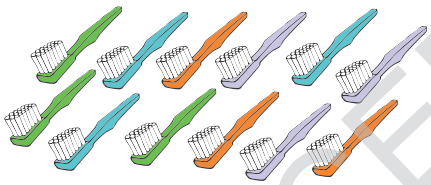
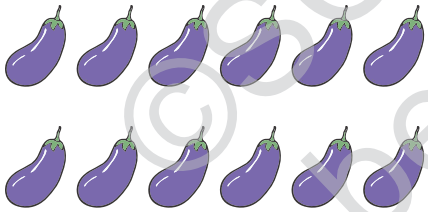
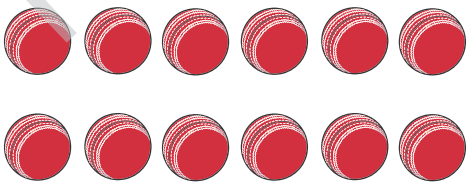
4) I am made of half and a quarter part. .....

5) I am made of three quarter parts .....

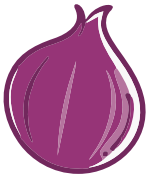
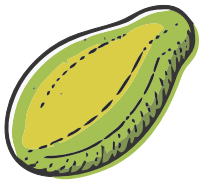
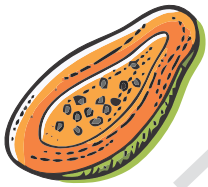
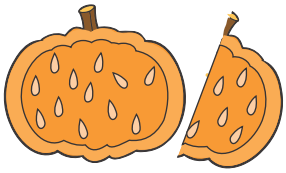
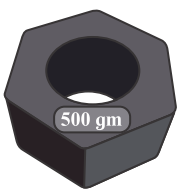
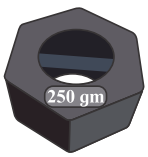
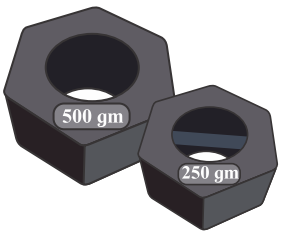
❍ **Colour half of the triangle.**



❍ **Solve.**

	Half	Quarter	Three quarters
	..... bananas	3 bananas	9 bananas
	4 bottles	..... bottles	6 bottles
	6 toothbrushes	..... toothbrushes	..... toothbrushes
	..... brinjals	..... brinjals	9 brinjals
	4 pens	..... pens	..... pens
	..... balls	3 balls	..... balls

❍ **Observe.**

Whole	Half	Quarter	Three quarter
			
			
			
			
			

❍ **Solve the following examples.**

1) Prachi's age is 6 years and Atharva is half her age. What is Atharva's age?

.....

2) Sunita had 24 chocolates. Out of that she gave quarter chocolates to Hemlata. How many chocolates are left with her?

.....

3) Javed covered three quarter distance in 100 meter relay. How much more distance he has he run to complete the race?

.....

4) Neeta studied for three quarter of an hour means how many minutes did she study?

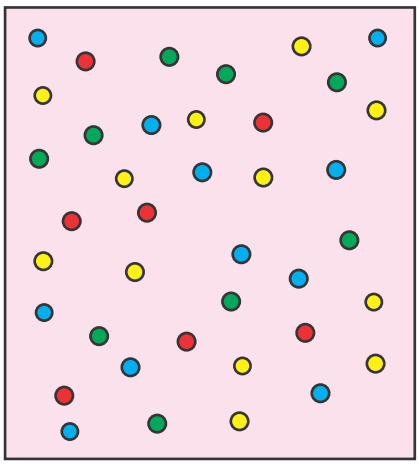
.....

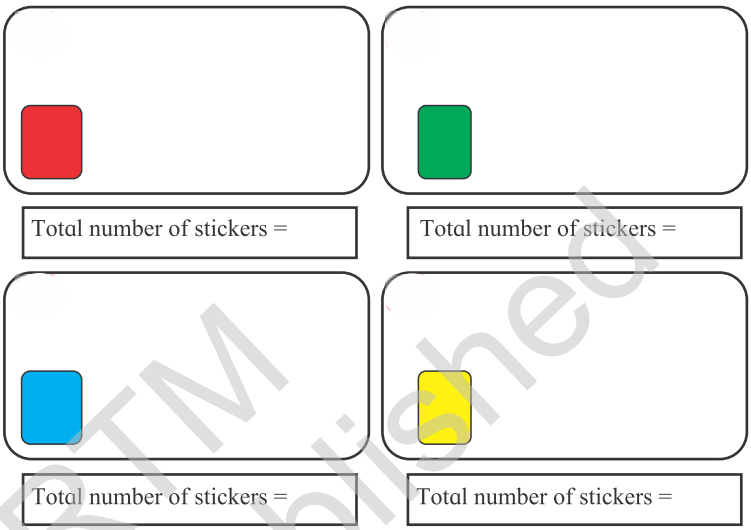
❐❐❐

❍ **Using following things from Math Kit revise fractions.**

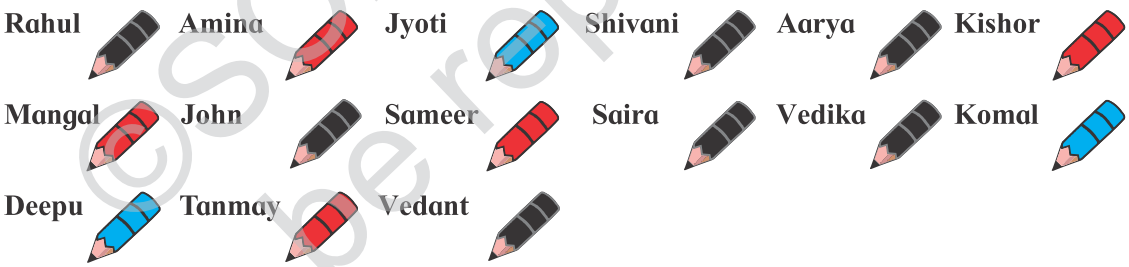
17. Data Handling

❍ **Shravani dropped her box of coloured stickers. Draw the stickers of the same colour on the empty packets.**





❍ **Neha asked her friends colour of their pencils and noted the information. Help her to make a table with this informati on.**



Colour of pencils	Names of friends	Total friends
Black	Rahul, Shivani, Aarya, John, Saira, Vedika, Vedant	7
Red	....	
Blue	....	

❍ **Count and write the number of each type of utensil from your kitchen.**

Type of utensil	Number of utensil
	
	
	
	
	

1) Number of tins? .....

2) Which utensil is maximum in number? .....

3) Which utensil is minimum in number? .....

4) Amongst the number of glass and bowl which is more? .....

5) Using greater than, less than, equal to signs write the number of bowls and tins. (<, >, =)

.....

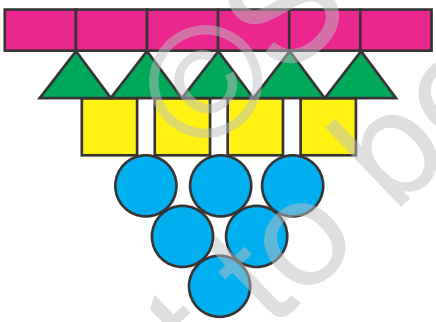
.....

.....

6) How many are total number of all utensils?

.....

❍ **Using Math Kit Aditya has made the following arrangement.**



To make this arrangement which shape is used and how many times?

Shape	Number

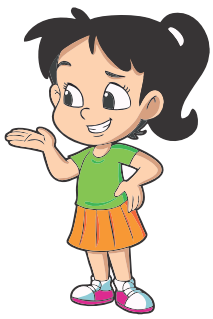
1) Which shape has blue colour ?

2) How many total geometric shapes are used ?

3) Which shape is least used ?

4) By how much is the number of triangles more than the number of squares?

5) Which two shapes are equal in number?



❍ **Information regarding the games played by students during the break is given in tally form below. Using this answer the following questions.**

Game	Tally marks	Number of students
Carrom	|||||||	
Chess	||||	
Rope Skipping	|||||||||	
Cricket	||||||||||||	
Lanagdi	||||||||||||||	
Hide and seek	||||||||||	

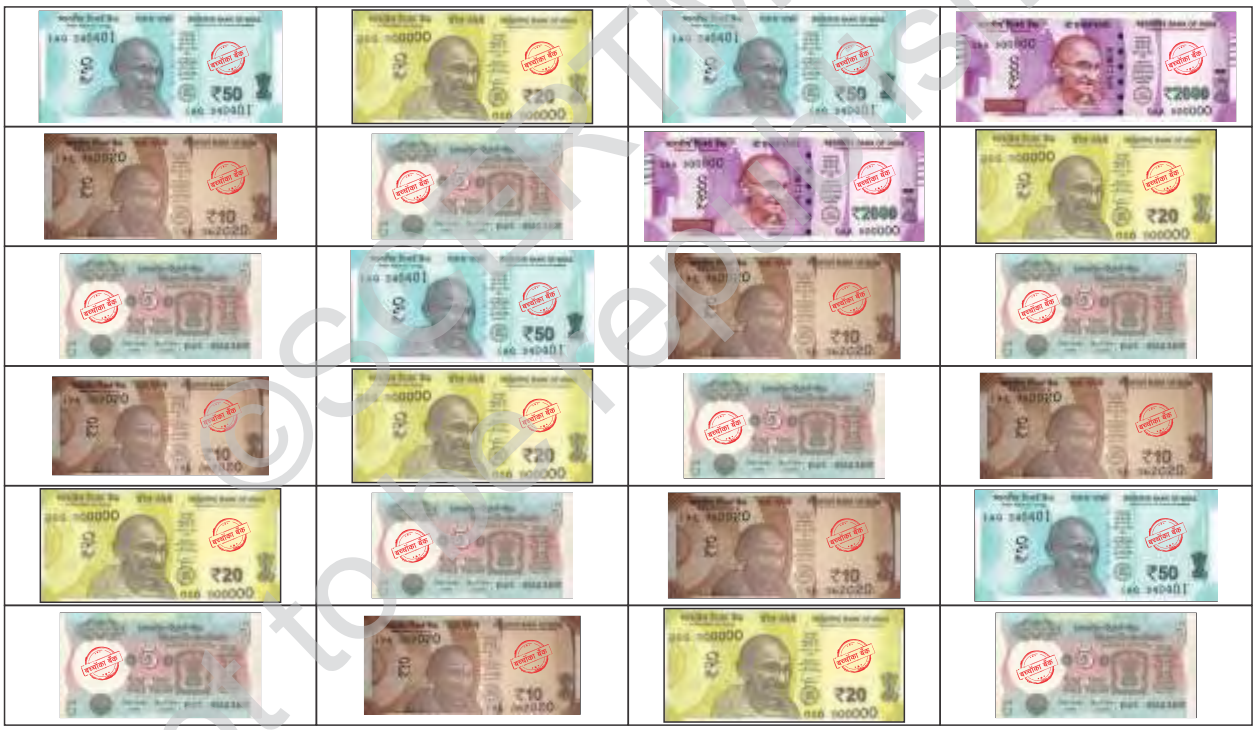
1) How many students play chess? ☐

2) How many students play hide and seek? ☐

3) Which game is played by maximum students? ☐

4) By how much is the number of students playing langadi more than the number of students playing carrom? ☐

❍ **Complete the table with the help of pictures.**



Note					
Tally marks					
Number of notes					
Total amount					

- **Avani collected the information about the fruits liked by the students in her class. She represented this information in tally form. Using this fill in the table and answer the following questions.**

Fruit	Tally marks	Number of students
Mango	𝍸	
Orange	𝍸	
Chikoo	𝍸	
Apple	𝍸	
Grapes	𝍸	

1) About how many student did Avani collect information ?

2) Which fruit is liked by most students ?

3) How many students like orange and grapes ?

- **Aalisha has noted the digit which appeared every time she rolled the dice while playing ludo. Help her to arrange this information using tally marks in the table below.**

1	5	3	4	2	5	5	3	6
1	6	4	2	6	1	1	3	6
5	4	5	2	3	1	6	4	2
2	1	5	3	5	3	1	5	3

Digit	Tally mark	Number of times

❍ **Observe the sports equipment and fill in the table below.**

Sports equipment	Base ball bat	Badminton racket	Cricket bat	Football	Volley ball	Base ball	Cricket ball	Tennis ball	Shuttle cock
Tally marks									
Total									

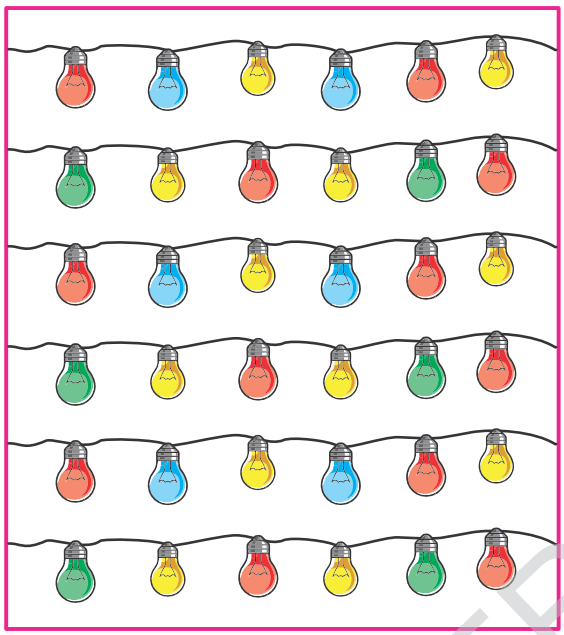
After filling the table frame questions based on it.

1) What is the number of footballs? 2) .....

3) ..... 4) .....

5) ..... 6) .....

❍ **Birthday decoration has series of lights as shown. Observe the bulbs in it and answer the following questions.**



1) How many red bulbs are there in all?

2) Which of the following coloured bulbs are less in number? (Red/Green)

3) Which coloured bulbs are equal in number?

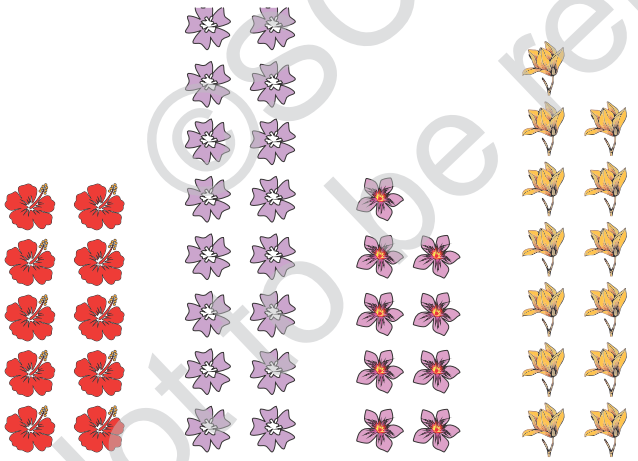
.....

4) By how much is the number of yellow bulbs more than the blue bulbs?

5) Count the number of bulbs of each colour and write in front of it.

Red Blue Green

❍ **Rama has collected few flowers. She arranged the information in form of pictures. Answer the question based on this information.**



1) How many sonchafa flowers did Rama collect?

2) By how much is the number of kanheri flowers more than the jaswanda flowers?

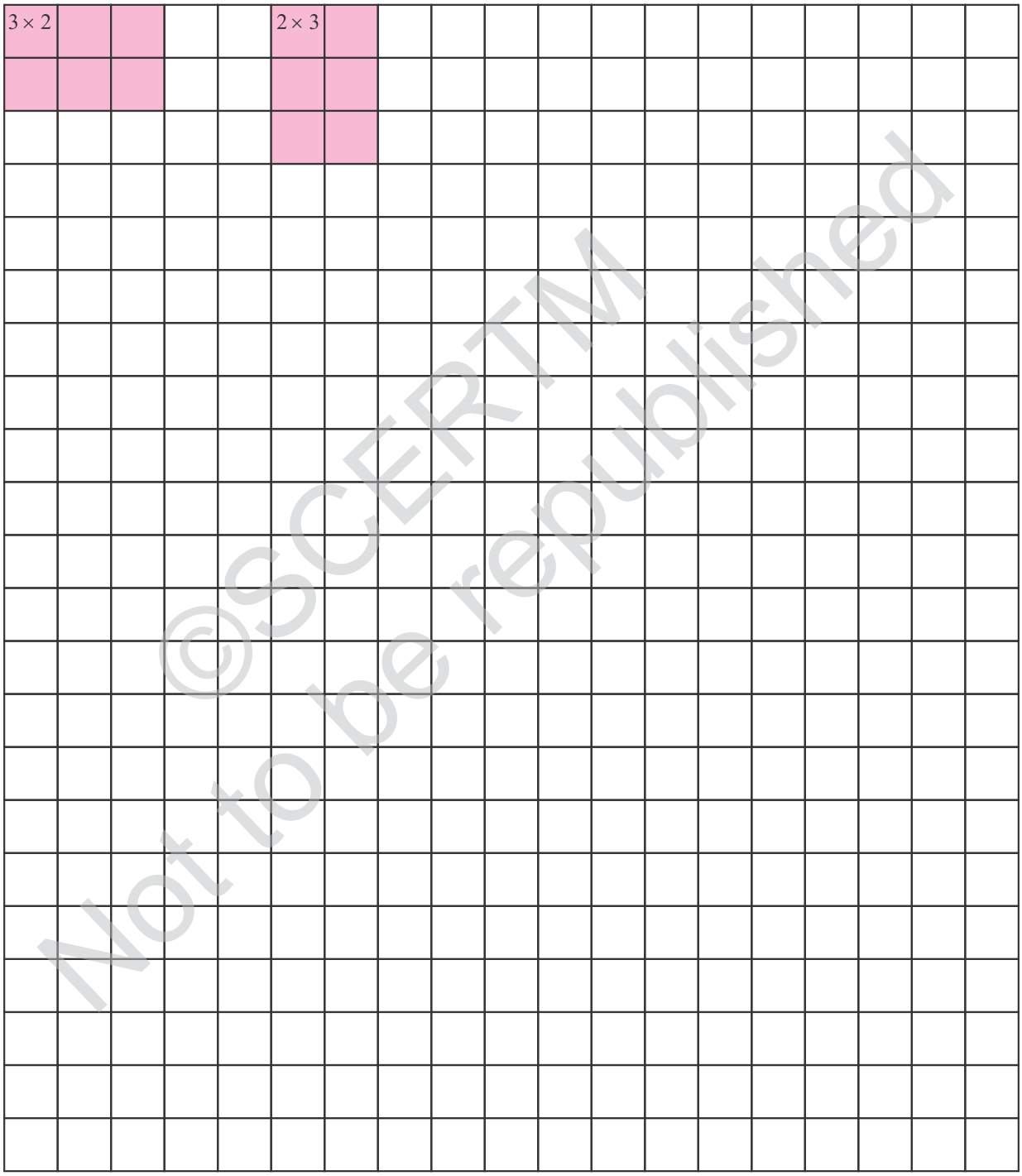
3) How many variety of flowers has Rama collected?

4) Which flowers are maximum in number?

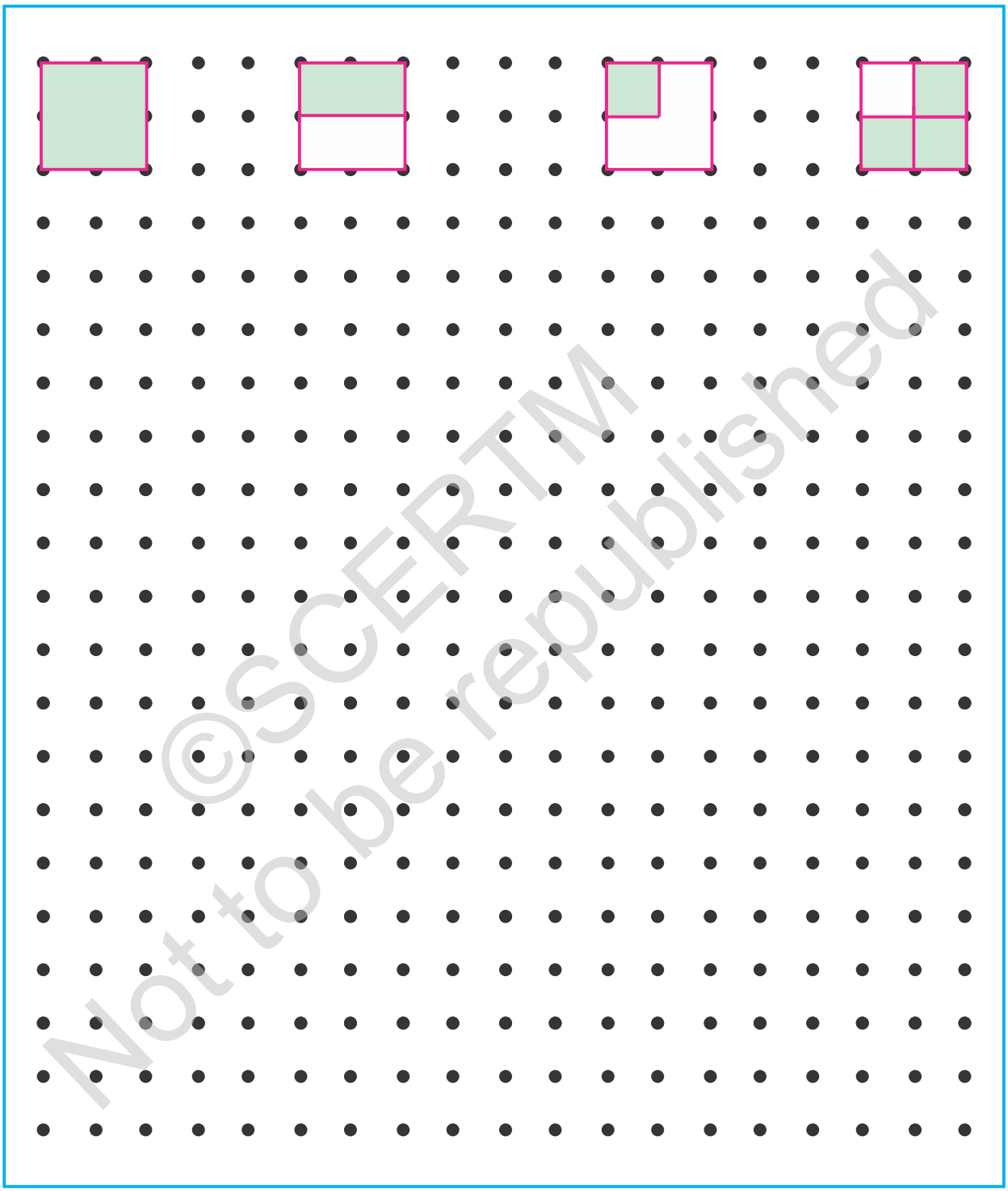
5) By how much is the number of kanheri flowers less than the sonchafa flowers?

❍ **Show the multiplication in form of picture on a square lined paper.**

3 × 5 5 × 3	4 × 3 3 × 4	3 × 2 2 × 3	5 × 2	6 × 4



❍ **Show whole, half, quarter and three quarters in different shapes using dot paper.**



❐❐❐

Credentials

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

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19.	Vaibhav Shinde	Asst. Teacher	Z. P. Primary School Nachlondhi, Tal. Peth, Dist. Nashik
20.	Sarika Vanjari	Asst. Teacher	Z. P. Primary School Dhumaldevkar Wasti, Tal. Mulshi, Dist. Pune
21.	Indu Dagare	Asst. Teacher	Z. P. Primary School Kalmath Bajar, Tal. Kankawali, Dist. Sindhudurg
22.	Sandhya Sonde	Asst. Teacher	Z. P. Primary School Wadrai, Tal. Dist. Palghar
23.	Valmik Chavhan	Graduate Teacher	Z. P. Primary School Gangamhalungi, Tal. Dist. Nashik
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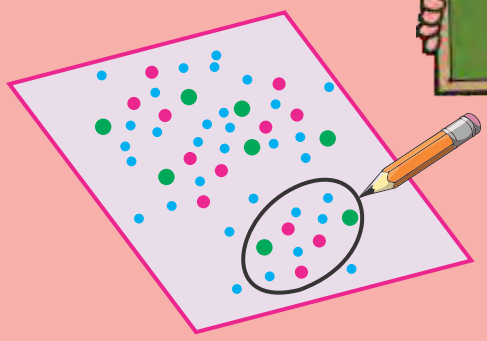
Instructions for teachers/parents : 1) The objective of this workbook is to inculcate the habit of self-study in students and also to provide opportunity to excel in expected learning outcomes. 2) After learning the concepts and content given in the textbook, the students are expected to complete the 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 sooner or later 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 with Numbers

Hundred Tens Unit