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STANDARD THREE

TERM - III

VOLUME 2

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Assessment



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1.1 Straight Lines and Curved Lines

Draw the shapes similar to the shapes given in the dotted grid and sort them by writing 'c' for shapes made of curved lines 's' for shapes made of straight lines and 'cs' for shapes with both curved and straight lines





Draw	<mark>, sha</mark> rved	i pes lines	in e	ach d	categ	gory	on y	our	own.						
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(ii) Cuboid





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Let us recall tangrams

A traditional Chinese puzzle made of a square divided into seven pieces (one parallelogram, one square and five triangles) that can be arranged to match particular designs. We can make figures of animals, people and many things using these 7 pieces.



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1.5 Tessellation

A tessellation is created when a shape is repeated over and over again covering a plane without any gap or overlap.

When you fit individual tiles together with no gap or overlap to fill a flat space, you have a **tiled floor**.

We have already learnt that few shapes such as triangles, squares, hexagons tile on a plane while few figures such as pentagons, heptagons do not tessellate on a plane.

1. Complete the shapes by filling the tiles.





2. Draw one more tile to continue the pattern.









2.1 Equal sharing and repeated subtraction

Kabilan had 30 mangoes and wanted to share them among 5 of his friends.Let us see the way he shared the one by one mangoes equally among his friends.

Number of steps	Number of mangoes with Kabilan	F 1	F 2	Friends F 3	F 4	F 5	Number of mangoes remaining
Step 1	30			6	6		25
Step 2	25		6	-	-	-	20
Step 3	20		6	6	6	6	15
Step 4	15	6	-	-	6	6	10
Step 5	10		6	6	6	6	5
Step 6	5	6	6	6	6	6	0
Total number of mangoes each had at the end	0	6	6	6	6	6	0
F=Friend		N	umber o	of steps	= 6		



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Suppose Kabilan has to share the mangoes among 15 of his friends. How many mangoes would each of them get? How Many steps would he require to share the mangoes among them?







Let us see another example



Here, 8 is the **dividend** 4 is the **divisor** and 2 is the **quotient**

Complete the table.

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Total number of Balloons to be shared.	Number of baskets	Equal sharing	Number of balloons in each basket	Division fact
8	4		2	8 ÷ 4 = 2
8	2			
10	5			
15	3			
30	6			

Can you share 2 mangoes among 5 of your friends?

No, This means that dividend should always be greater than the divisor.





3. Rangamma of 6 each	a has got 4 1. Find the	8 gooseber number of	ries and o groups.	arranges	them into grou
	66	66			
	88				866
	33				
The number I	ine can be c	drawn as			
•					48
The number s	statement i	S	·		
4 Find few	. 1				
	v other	ways that	Rangar	nma cai	n group these
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Finding the division fact for the given multiplication fact.	

Division ·	fact for Multiplication [.]	table two
Multiplication fact	Divisio	on fact
1 X 2 = 2	2 ÷ 1 = 2	2 ÷ 2 = 1
2 X 2 = 4	4 ÷ 2 = 2	4 ÷ 2 = 2
3 X 2 = 6	6 ÷ 3 = 2	6 ÷ 2 = 3
4 X 2 = 8	8 ÷ 4 = 2	8 ÷ 2 = 4
5 X 2 = 10	10 ÷ 5 = 2	10 ÷ 2 = 5
6 X 2 = 12	12 ÷ 6 = 2	12 ÷ 2 = 6
7 X 2 = 14	14 ÷ 7 = 2	14 ÷ 2 = 7
8 X 2 = 16	16 ÷ 8 = 2	16 ÷ 2 = 8
9 X 2 = 18	18 ÷ 9 = 2	18 ÷ 2 = 9
10 X 2 = 20	20 ÷ 10 = 2	20 ÷ 2 = 10

Construct the division fact for the multiplication tables 3.

Division fact for Multiplication table three								
Multiplication fact	Division fact							
1 X 3 = 3								
2 X 3 = 6								
3 X 3 = 9								
4 X 3 = 12								
5 X 3 = 15								
6 X 3 = 18								
7 X 3 = 21								
8 X 3 = 24								
9 X 3 = 27								
10 X 3 = 30								



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Constr	uct the division fac	ct for the multiplication tables 4.
	Division -	fact for Multiplication table four
	Multiplication fact	Division fact
	1 X 4 = 4	
	2 X 4 = 8	
	3 X 4 = 12	
	4 X 4 = 16	
	5 X 4 = 20	

Construct the division fact for the multiplication tables 5.

6 X 4 = 24

7 X 4 = 28

8 X 4 = 32

9 X 4 = 36

10 X 4 = 40

Division fact for Multiplication table five							
Multiplication fact	Division fact						
1 X 5 = 5							
2 X 5 = 10							
3 X 5 = 15							
4 X 5 = 20							
5 X 5 = 25							
6X 5 = 30							
7 X 5 = 35							
8 X 5 = 40							
9 X 5 = 45							
10 X 5 = 50							



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3.1 Iterative patterns and processes

Introduction

Rangoli is created by the growing patterns of colours and shapes. These are few rangolis exhibiting such patterns.





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4. Dro	aw 2 p	ullikolo	ams of	² your	choice	e along	the g	given c	lots.		i
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			•			•	•••	•	• •	•	
		3.2 F	Patter	rns ob	otaine	d by	addin	ig nun	nbers		
1 Complete the addition table and observe the pattern in them											
1. Cor	npiere	ineu	uunio		eunu	observ	ve me	parre	an in	mem	
1. Cor +	0	1	2	3	4	5	6	7	8	9	10
1. Cor + 0	0 0 0	1 1	2 2	3 3	4 4	5 5	6	7 7 7	8 8	9 9 9	10 10
+ 0 1	0 0 1	1 1	2 2 3	3 3 4	4 4 5	5 5 6	6 7	7 7 8	8 8 9	9 9	10 10 11
+ 0 1 2	0 0 1 2	1 1 3	2 2 3 4	3 3 4 5	4 4 5 6	5 5 6	6 7 8	7 7 8 9	8 8 9 10	9 9	10 10 11 12
+ 0 1 2 3	0 0 1 2 3	1 1 3	2 2 3 4 5	3 3 4 5 6	4 4 5 6 7	5 5 6 8	6 7 8	7 7 8 9 10	8 8 9 10 11	9 9 12	10 10 11 12 13
1. Cor + 0 1 2 3 4	0 0 1 2 3 4	1 1 3 5	2 2 3 4 5	3 3 4 5 6 7	4 4 5 6 7 8	5 5 6 8 9	6 7 8	7 7 8 9 10 11	8 8 9 10 11 12	9 9 12 13	10 10 11 12 13 14
1. Cor + 0 1 2 3 4 5	0 0 1 2 3 4 5	1 1 3 5 6	2 2 3 4 5 7	3 3 4 5 6 7	4 4 5 6 7 8 9	5 5 6 8 9 10	6 7 8 11	7 7 8 9 10 11 12	8 8 9 10 11 12	9 9 12 13 14	10 10 11 12 13 14 15
1. Cor + 0 1 2 3 4 5 6	0 0 1 2 3 4 5 6	1 1 3 5 6	2 2 3 4 5 7 8	3 3 4 5 6 7 9	4 4 5 6 7 8 8 9 10	5 5 6 8 9 10	6 7 8 11 12	7 7 8 9 10 11 12 13	8 8 9 10 11 12 14	9 9 12 13 14 15	10 10 11 12 13 14 15 16
1. Cor + 0 1 2 3 4 5 6 7	0 0 1 2 3 4 5 6 7	1 1 3 5 6 8	2 2 3 4 5 7 8 9	3 3 4 5 6 7 9 10	4 4 5 6 7 8 9 10 11	5 5 6 8 9 10 12	6 7 8 11 12 13	7 7 8 9 10 11 12 13 14	8 8 9 10 11 12 14	9 9 12 13 14 15 16	10 10 11 12 13 13 14 15 16 17
1. Cor + 0 1 2 3 4 5 6 7 8	0 0 1 2 3 4 5 6 7 8	1 1 3 5 6 8 9	2 2 3 4 5 7 8 9 10	3 3 4 5 6 7 9 10 11	4 4 5 6 7 8 9 10 11	5 5 6 8 9 10 12 13	6 7 8 11 12 13	7 7 8 9 10 11 12 13 14 15	8 8 9 10 11 12 14 14	9 9 12 13 14 15 16 17	10 10 11 12 13 13 14 15 16 17 18
1. Cor + 0 1 2 3 4 5 6 7 8 9 9	0 0 1 2 3 4 5 6 7 8 9	1 1 3 5 6 8 9 10	2 2 3 4 5 7 8 9 10 11	3 3 4 5 6 7 9 10 11 12	4 4 5 6 7 8 9 10 11 11 13	5 5 6 8 9 10 12 13 14	6 7 8 11 12 13 15	7 7 8 9 10 11 12 13 14 15 16	8 8 9 10 11 12 14 14 16 17	9 9 9 12 13 14 15 16 17 18	10 10 11 12 13 13 14 15 16 17 18

Observe the given table and you can find that there are many ways to get the sum ten.



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L	et us write the numbers which add upto 10											
	addition addition fact of 10											
	fact of O											
	0	0	1	2	3	4	5	6	7	8	9	10
	+ 0	+ 10	10 + 9 + 8 + 7 + 6 + 5 + 4 + 3 + 2 + 1 + 0									
	0	10	10	10	10	10	10	10	10	10	10	10

Like the example given above 10, we can also find that there are more than one set of numbers which sum upto a given number.

2. Write the numbers which add upto the given addition fact.

additio of	n fact 1				add	ition 1	fact o	f 11			
0	1	1	2	3	4	5	6	7	8	9	10
+ <u>1</u>	+ 0	+ 10	+ 9	+ 8	+ 7	+ 6	+ 5	+ 4	+ 3	+ 2	+ 1
_ <u>1</u>											



addition fact of 3			addition fact of 13								
+	+	+	+	+	+	+	+	+	+	+	+
3	3	3	3	13	_13_	_13_	_13_	_13_	_13_	_13_	_13_

addition fact of 4					a	dditic	on fac	t of 1	4		
+	+	+	+	+	+	+	+	+14	+	+14	+14

addition fact of 5						addition fact of 15					
+5	+5	+5	+5	+5	+5	+	+	+	+	+	+



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- - + 3_ + 5 +





3.3 Patterns in repeated addition as multiplication									
'Multiplication' refers to 'repeated addition'. Example									
Pictorial representation	٢		4						
Repeated addition statement	Repeated addition 3 statement			3 + 3	3 + 3 + 3	3	+ 3 + 3 +3	3 +	3 + 3 +3 + 3
Multiplication fact	1 ×	3 = 3	2 × 3 = 6		3 × 3 = 9	4 × 3 = 12			5 × 3 = 15
Pictorial representation	Pictorial 200 representation 200								
Repeated addition statement	d 4 nt		4 + 4		4 + 4 +	4	4 + 4 + 4 +4	4	+ 4 + 4 +4 + 4
Multiplication fact		1 × 4 =	4	2 × 4 =	8 3 × 4 =	12	4 × 4 = 16)	5 × 4 = 20

Exercise

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Continue the patterns by using mutiplication as repeated addition.

Pictorial representation	安安安安安	*****	安安安安安安	***** ****** ******	
Repeated addition statement Multiplication					
fact					



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Pictorial representation	* *	* * * *	* * * * * *	* * * * * *	
Repeated addition statement					
Multiplication fact					

3.4 Division as repeated subtraction

'Division' refers to 'repeated subtraction'.

Example 20÷4

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Step: 1	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	20 – 4 = 16
Step: 2	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	16 – 4 = 12
Step: 3	\$ * * * * * * * * * * *	12 - 4 = 8
Step: 4	~~~~~~	8 - 4 = 4
Step: 5	* * * *	4 - 4 = 0

Express the division facts as repeated subtraction using patterns

a) $24 \div 3$ b) $22 \div 2$ c) $32 \div 4$ c) $15 \div 3$



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Exercise









Mother : You have to use a bigger one.



- Mother : Meena! Now bring me 2 tumblers of water to pour in this milk.
- Meena : Ma, I have brought water in big tumbler
- Mother : Meena, now you should have brought water in the small tumbler.
- Meena : Ma, Sometimes you ask me to bring water in big tumbler and sometimes small tumbler. I don't know when to bring in big tumbler and when to bring in small tumbler.

What shall we do to find a solution for this issue?



We need a standard tool to measure capacities of containers. We also need a standard unit to express capacities of containers.

These are some Standard tools to measure capacity. You can find them in milk shops, grocery shops, etc., We measure liquids such as water, oil, milk, petrol., using these tools.



Standard units for measuring capacity of a container is litre.

- We measure liquids smaller containers using millilitres.
- We measure the liquids of more quantity /capacity of bigger containers using litres.

Activity

- 1. Teacher can conduct the game, fill in the bottle.
- 2. Teacher can conduct a mock milk shop in the class.







2. Tick the appropriate unit to measure the given liquid.

5. No	Liquid to be Measured	Millilitres	Litres
1.	Cough syrup		
2.	vinegar		
3.	water in tank		
4.	Water you bring to school		
5.	Oil in kitchen		
6.	Petrol		



2 Т		(the biggest)	unit		
5. 1	ICI	k the biggest t	1111		I Å
i	i.	a) 500 ml	b) 100 ml	c) 50 ml	d) 75 ml 🦰
i	ii.	a) 200 ml	b) 300 ml	c) 150 ml	d) 175 ml
i	iii.	a) 5 l	b) 2 l	c) 8 l	d) 7 l
i	iv.	a) 3 l	b) 300 ml	c) 30 ml	d) 30 l
١	v.	a) 250 ml	b) 1500 ml	c) 760 ml	d) 75 l
4. <i>C</i>	lira	le the smalles:	t unit		
i	i.	a) 250 ml	b) 350 ml	c) 50 ml	d) 750 ml
i	ii.	a) 300 ml	b) 350 ml	c) 800 ml	d) 275 ml
i	iii.	a) 10 l	b) 3 l	c) 9 l	d) 6 l
i	iv.	a) 3 l	b) 350 ml	c) 5 ml	d) 40 l
١	v.	a) 2500 ml	b) 100 ml	c) 810 ml	d) 175 l

5. How many litres of water do you use for the following purpose in your house? Complete the table.

Activities at home	Litre
Bathing	
Drinking	
Brushing teeth	
Cooking	
Washing kitchen utensils	
Watering the garden	
Mopping the floor.	



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6. How many litres are needed for filing the given containers. Complete the table by measuring the containers by one litre bottle.







Bottle	1 litre bottles
Bucket	1 litre bottles
Pot	1 litre bottles

Activity

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Take a 1 litre bottle and a tumbler fill the bottle using it. How many times did you use the tumbler for filling the bottle?

Repeat the same activity using different containers (Cups, tumblers, bottles) and record you findings.

- 1. Which container was used twice?
- 2. Which container was used four times?







5.1 Rupees and Paise

We have learnt about currencies and coins of various denominations in our earlier classes. we shall learn the relation between rupees and paise addition and subtraction of money. We shall also learn about collection and preparation of bills.

These coins are outdated and currently not in use. But the value of paise is still used as digital value. Yet the value of paise in significant.





1. Convert the following rupees into paise.

Rupees	paise	Rupees	paise
1		6	
2		7	
3		8	
4		9	
5		10	

Know that











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5.2 Addition and Subtraction of Money

Adding and subtracting money is as same as adding and subtracting numbers except that we place a dot to differentiate rupees and paise.

1. Add the following.

Rs P	Rs P	Rs P
1. 35·20	2. 80 · 20	3. 90 · 10
+20·20	+ <u>10 · 10</u>	+ <u>05 · 20</u>
Rs P 4. 270 · 80 +310 · 00	$ \begin{array}{cccc} $	Rs P 6. 220 · 20 +220 · 20

2. Subtract the following.

Rs P	Rs P	Rs P
I. 20·20	$2. 20 \cdot 30$	3. 3 5 6 0
$-10 \cdot 10$	$-25 \cdot 10$	$-25 \cdot 70$
Rs P	Rs P	Rs P
4. 820·80	5.540·70	6.754·90
- <u>110·20</u>	-130.60	- <u>123 · 50</u>





Kaarkuyil bought a hairclip for ₹. 20.50 and set of bangles for ₹. 30.50 and gave a one hundred rupees note to the shopkeeper the amount to be returned by the shopkeeper to Kaarkuyil.

- i) To find the total cost of the item bought add the cost of items bought.
- ii) Subtract the total cost of items from the amount (₹ 100.00) paid to the shopkeeper. This gives amount to be returned to kaarkuyil

Adding Rupees	Subtracting Rupees	
Cost hair clip = 20·50	Kaarkuyil paid	= 100.00
Cost of bangle = 30.50	Total cost	= 51·00
Total cost = 51.00	Shop keeper has to return	= 49.00

Amount return by the shopkeeper to Kaarkuyil = ₹ 49.00

Exercise

4

Sengothai bought a school bag for ₹. 210.30 and a sports shoe for
 ₹. 260.20 find the amount to be returned by the shopkeeper if she has paid five hundred rupees to the shopkeeper.

2. Kumaran's father asked him to get a change for ₹. 200 from his uncle. If his uncle gave him a hundred rupee note and a fifty rupees note. How much more his uncle has to give him?



5.3 Rate Charts and Simple Bills

Rate Charts.

Rate chart is seen in shops. Rate chart gives details about the rate of each item available in a shop.

Bills

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Bills are given by the shopkeepers to the customers as an acknowledgment of purchase. Bills give us complete details about the purchase.

Observe the menu card.

Priya went to a restaurant and the waiter gave her a menu Card. The menu card showed the food items and the rate of each item.

HOTEL foods			
S.No	Food items	Quantity (in Nos)	Price (in ₹)
1	Idly	2	20.00
2	Rava Dosai	1	50.00
3	Dosai	1	30.00
4	Poori	3	45 ·00
5	Masala vadai	4	20.00

Priya and her friend ordered the following items from the menu card.

Food items	Quantity
Idly	4
Dosai	3
Poori	6

Once she finished eating the waiter gave her the bill.

HOTEL foods			
Bill No: 32		Dat	e: 30,10,2019
S.No	Food items	Quantity (in Nos)	Price (in ₹)
1	Idly	4	40.00
2	Dosai	3	90.00
3	Poori	6	90.00
Total Amount			220.00



The bill shows the food items order by Priya and the total amount to be paid by her. From the above bill, we come to know the following details: Name of the Restaurant _____ Hotel foods i. 25 ii. Bill number _____ iii. Date of the bill <u>30.10.2019</u> 3 iv. Total number of items eaten _____ 20 Total amount of money to be paid _____ ۷. 10 vi. Rate of one idly _____ 30 vii. Rate of one dosai _____ 5 viii. Rate of one masala vadai _____ 90 ix. Rate of two poori sets _____

1. The following are the items eaten by Raju and his family. Fill in the blanks using the given bill.

HOTEL foods			
Bill No	o: 32	Dat	e: 30.10.2019
S.No	Food items	Quantity (in Nos)	Price (in ₹)
1	Rava Dosai	4	200.00
2	Masala vadai	4	20.00
3	Poori	6	90.00
	Total Ar	310.00	

- i. Name of the Restaurant _____
- ii. Bill number _____
- iii. Date of the bill _____
- iv. Total number of items eaten _____
- v. Total amount of money to be paid _____



		Feel g	ood garments	
Bill No	Bill No: 82 Date: 5.11.2019			
S.No	Items	Rate (in ₹)	Quantity (in Nos)	Price (in ₹)
1	Saree	350.00	2	
2	Shirts	200.00	2	
3	Jeans	700.00	1	
4	Towel	50·00	2	
5	Shawl	100.00	1	
	Total Amount			

	Feel good garments				
Bill No	o: 25		Da	te: 6.11.2019	
S.No	Items	Rate (in ₹)	Quantity (in Nos)	Price (in ₹)	
1	Dhothi	250.00	1		
2	Skirt	300.00	2		
3	Shirt	150.00	4		
4	Saree	500.00	3		
5	Tops	220.00	3		
	Total Amount				

Eat good provisions				
Bill N	o: 1045	Date:	6.11.2019	
S.No	Items	Rate (in ₹)	Quantity (in Nos)	Price (in ₹)
1	Turmeric Powder	25·00/Pack	2	
2	Rice	55·00/kg	2	
3	Urad dhal	80·00/kg	2	
4	Sugar	42·00/kg	4	
5	Tamarind	110·00/kg	1	
Total Amount				



3. Prepare Bills for the items purchased using the given rate chart.

Ra	te chart in a s	stationary snop
1.	Pen	₹. 20.00
2.	Pencil	₹. 10.00
3.	Chart	₹. 5.00
4.	Eraser	₹. 10.00
5.	Sharpener	₹. 5.00
6.	Sketch pens	₹. 50.00



i. Ramya bought two pens three erasers and a sketch packets. Prepare a bill for her purchase.

ii. Ravi bought an eraser a sharpener and two pens. Prepare a bill for his purchase.

Activity

Collect bills from different shops and prepare an album.





۲ www.tntextbooks.in UNIT-6 12 TME 11 10 9 3 Times of a Day 6.1 Look at the sky. Is it same all the time? Sometimes the sun shines and sometimes the moon and the stars twinkle. When the sun shines we call it day and when the moon and the stars twinkle we call it night. 12 hours of day time (sunlight) and 12 hours of night time (Darkness) comprises one day (24 hours). Noon 12:00 P.M < 9:00 4 M Morning Day fter Noon 6:00 3:00 Evening 3:00 Mid Night Night 6:00 12:00 9:00 1. Sort the events according to the time of happening 1. Sun rise 2. Sun set 3. Coming to school 4. Returning home from school 5. Breakfast 6. Dinner 7. Darkness outside 8. Say Good Morning 9. Say Good Evening S.No. Morning Evening Night 1. 2.



3.

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6.2 Chronological Order

Have you noticed your mother preparing idly. How does she prepare it.

- First, she soaks rice and black gram in water.
- Second she grinds then to prepare a batter.
- Third she ferments the batter overnight
- Fourth she boils the batter to make idlies.

These events occur in an order in the process of making idly.

The method of arranging events in the order of their happening is called chronological order.

Example of arranging things in chronological order.

- Historical event
- Education qualification
 - Family tree



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1. Write 'F' for the event which comes first and 'N' for the event which happens next.

S.No.	Event										
1	Eating	cooking									
2	Boarding into a bus or	reaching the									
3	Drawing a picture	colouring									
4	Taking out a book from	reading									
5	Opening the door	Entering the room									







- ii. Rotation of a clock i. Coming to school
- iii. Days of a week iv. Growth of your pet
- v. Building your house vi. Making of idly

S.No.	Events that form a Cycle	Events that do not form a Cycle
1.		
2.		
3.		



6.3

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7.1 Quick Ways of adding



We perform addition of numbers in many situations daily. Let us learn some tricks which help us to add numbers quickly.

1. Using addition table is one of the good ways to add small numbers.

2. Let us know some facts in addition

i. Adding 0 to a number

A number remains the same when you add 0 to it.

ii. Adding 1 to a number

When 1 is added to a number it gives the at number.

iii. Adding 2 to a number

When 2 is added to a number the numbers jumps or skips over 2 next to it.

iv. Adding 10 to a number

When 10 is added to a number its ones place remains the same and digit in 10 place is increased by 1 i.e., moves to the next number.

Complete the table									
+	0	1	2	10					
1	1	2	3	11					
3									
4									
9		10							
12									
25	25								
73									
86			88						
325									
791									
228				238					
998		999							





When a set of numbers are given to add, We shall find the pairs of numbers gives the sum 10 and add them.



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Example Find the sum of 25 + 33. Adding ones 5 + 3 = 8 Skip counting 8 + 30 + 20 = 58										
Example	XampleFind the sum of 37 + 24.Adding ones7 + 4 = 11Skip counting 11 + 30 + 20 = 61									
6)Adding three digit numbers										
Example	Find the sum of 576 + 323.									
Suppose, We n steps to add th	eed add the following numbers, W hem quickly.	e shal	l follov	w these						
Step: 1 - Exp	oand the number 500 + 70 +6									
	300 + 20 + 3.									
Step: 2 - Add the hundreds 500 + 300 = 800										
Step: 3 - Ado	d the tens one by one 800 + 70 =	870	500	70 6						
	870 + 20 =	890	300 /	20 /3						
Step: 4 - Ada	d the ones one by one 890 + 6 =8	396	800/	<mark>890/</mark> 899						
	896 + 3 =	899								
Add the giver	n big numbers using the above mo	ethod.								
НТ	о нто	Н	Т	0						
54	3 2 9 8	7	9	8						
+ 2 1	0 + 5 0 1	+ 6	5	4						
нт	о нто	Н	Т	0						
34	8 5 4 3	7	1	6						
+ 6 8	1 + 2 1 8	+ 5	4	0						



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7.2 Quick Ways of subtracting

We shall learn some tricks in subtraction also.

1. We shall use the subtraction table to subtract small numbers

2. Some facts in subtraction

subtracting 0 from a number

A number remains the same when you subtract 0 from it

Subtracting 1 from a number

When 1 is subtracted from a number, it gives a number before that number.

Subtracting 2 from a number

When 2 is Subtracted from a number, the numbers moves backward 2 steps

Subtracting 10 from a number

When 10 is Subtracted from a number its ones place remains the same and digit in 10 place is decreased by 1 i.e., moves to the previous number.

3. Subtracting same numbers

Subtracting a number from itself will give the difference 0.

Example

Example

Find the difference of 978-978 = 0

4. Subtracting numbers ending with 0

Subtract 1 from both numbers and then do the actual subtraction

Find the difference of 340 - 229

Н	Т	0		Н	Т	0
3	4	0	← (-1) →	3	3	9
2	2	9	← (-1) →)	2	2	8
1	1	1		1	1	1



Complete the table										
-	0	1	2	10						
21	21	20	19	11						
23										
24										
29		28								
12										
25	25									
73										
86			84							
325										
791										
228				218						
998		997								



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As we subtract 1 from both the numbers the answer of the new numbers and question are same.

Subtract the given numbers using the above facts.



	Н	Т	0			Н	Т	0			Н	Т	0
	5	4	3			2	9	8			7	9	8
-	2	1	0		-	1	0	1		-	6	5	4
-				-					-				
_					-				-				
	Н	Т	0			Н	Т	0			Н	Т	0
	3	4	8			5	4	3			7	1	6
-	1	1	1		-	2	1	8		-	5	4	0
	Н	Т	0			Н	Т	0			Н	Т	0
	4	5	0			5	6	0			9	8	0
-	3	4	9		-	3	2	5		-	5	7	5
-				-					-				
-				-	-				-				



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