

STANDARD TWO

TERM III VOLUME 2

MATHEMATICS

ENVIRONMENTAL STUDIES

NOT FOR SALE

Untouchability is Inhuman and a Crime

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Department of School Education

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MATHEMATICS

SECOND STANDARD

TERM III

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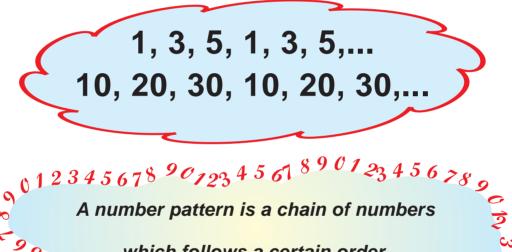
1. Patterns in Numbers

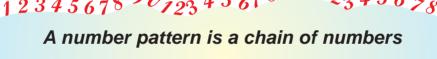
10,15, 20, .

We have already seen some patterns with shapes and figures. Now, we can create patterns with numbers.



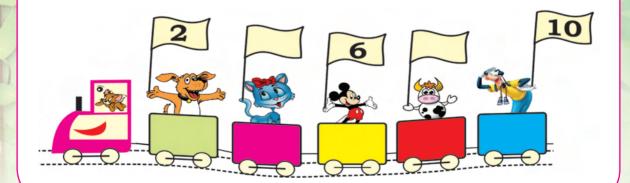
Look at this number pattern.

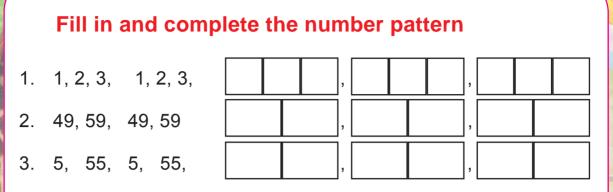




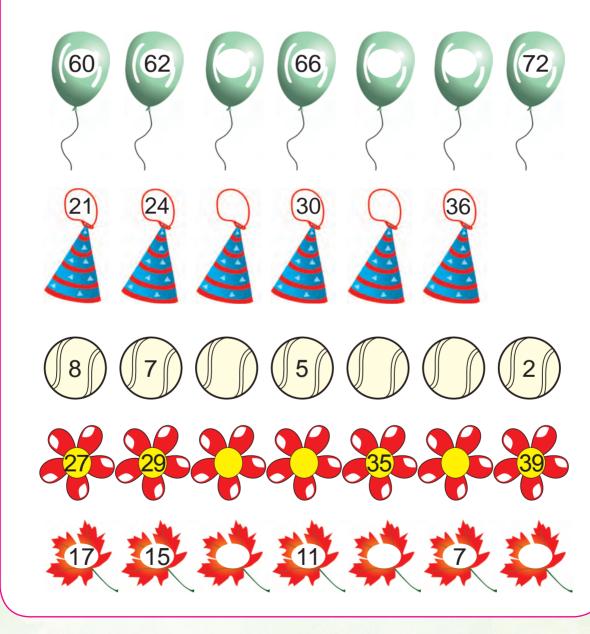
which follows a certain order. which follows a certain order. $1068195 \pm 87068195 \pm 8706819$

Complete the journey of cartoons.

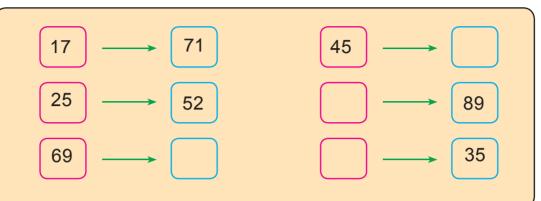


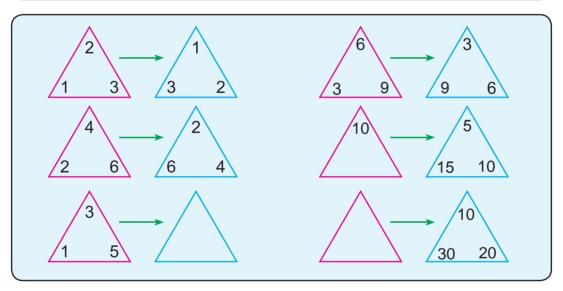


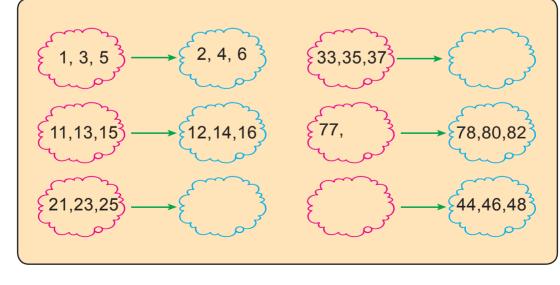
Identify the number pattern and complete them



Observe each number pattern and fill in the boxes.

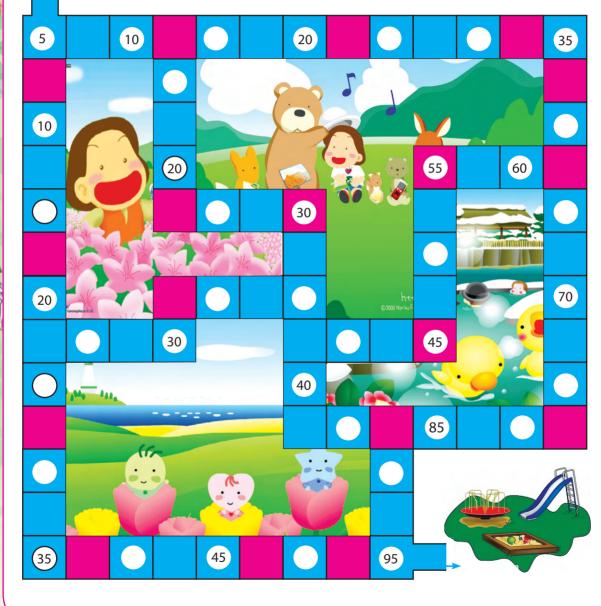








Help Anand to go to the playground by crossing some number patterns !



2. Measures of Capacity

We observe that...



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has more capacity than a



has less capacity than a

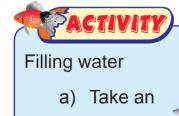




The capacity (volume) of a container depends on its size.





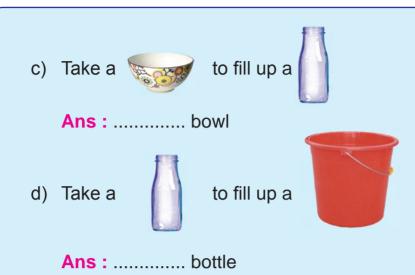


b) Take a



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PACTIVITY

Take sand grains in a ⁴ sheet of newspaper. and pour them down on a

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Take sand grains in your previous heap.



and pour them next to the

Take sand grains in a two heaps.



and pour them next to the

Compare the three heaps of sand grains and find out which one of them has the least capacity. [Spoon / bowl / two palms]

We buy oil, milk, petrol by measuring their volume (capacity).





The smallest unit of capacity is Millilitre.

The standard unit for measuring liquids is Litre.

Ask and learn from your mother

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- The quantity of oil she buys for a month
- \star The quantity of milk she buys every day.

Do you know?

A child must drink 6 to 8 tumblers (nearly 2 litres) of water every day



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3. Figures

Match the objects with their figures.

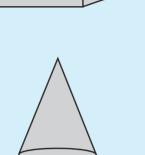


Mathematics

ACTIVITY







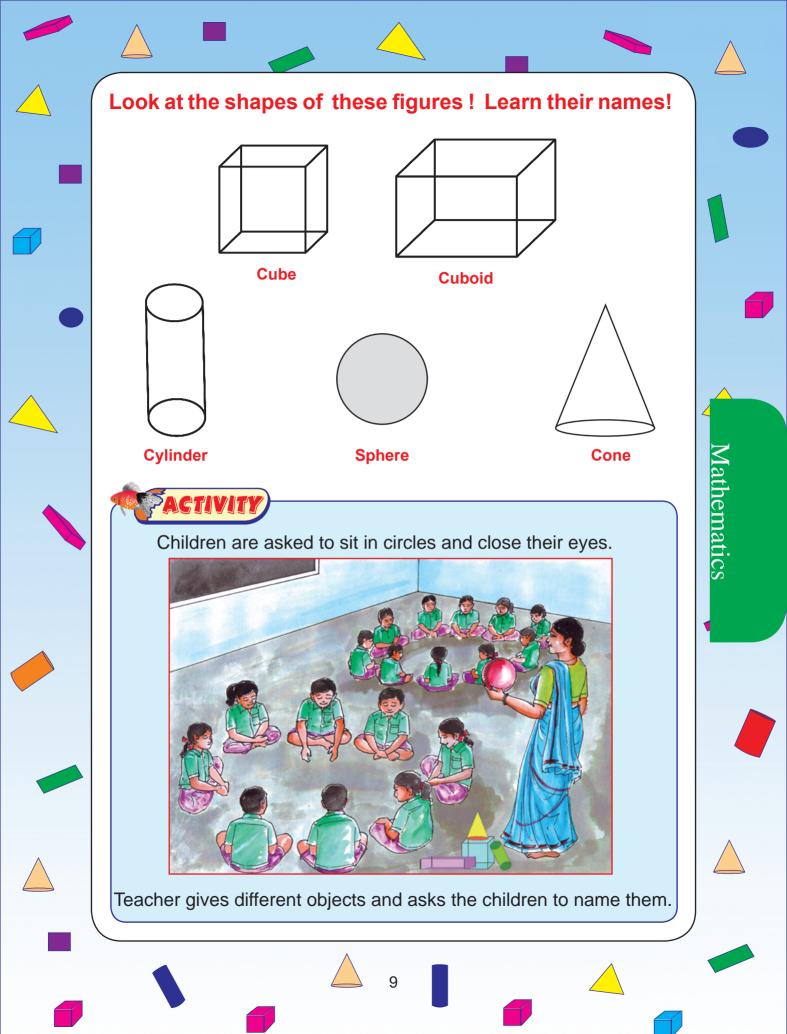






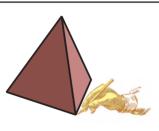






Draw outlines of objects and learn!

Collect dice, bottle cap, matchbox, eraser, coin, prism etc... and trace below as shown.



Mathematics

Now, you have learnt that the faces of the three dimensional figures give the outlines of two dimensional shapes.

List the names of the things you have used to draw the following figures.

	0	\triangle
Eraser		

Find out the shapes of the following.

Cuboid, Cube, Cone, Cylinder, Sphere

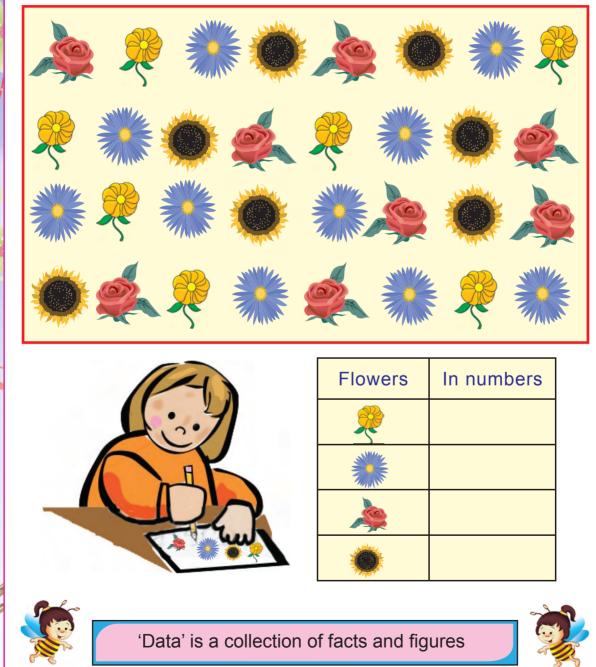
Sweet lime	Sphere
Matchbox	
Dice	
Tube light	
Funnel	
Book	
Globe	
Flute	
Joker's cap	
Pile of one-rupee coins	

Mathematics

4. Study of Data

Uma wants to count the flowers in her garden. The data of different types of flowers in her garden are given below.

Let us help Uma to count the flowers.



Ravi tabulated the weight of his friends. Arrange the data in descending order.

Name	Weight(kg)
Babu	18
Elango	21
Mamtha	16
Rajan	22
Sumathi	19
Aruna	17



Name	Weight (kg)
Rajan	22

Among Ravi's friends.....

- Y Who weighs the most?
- Y Who weighs the least?
- Y Who weighs more than Elango?
- Y Who weighs less than Aruna?

Let us find out



With the help of your teacher, write the names of your friends and their measure of heights.

Name	Height (cm)

Arrange the data in ascending order.

Name	Height (cm)

- The highest measurement iscm.
- The least measurement is.....cm.
- What is your height?cm.
- How many of them are taller than you?
- How many of them are shorter than you?

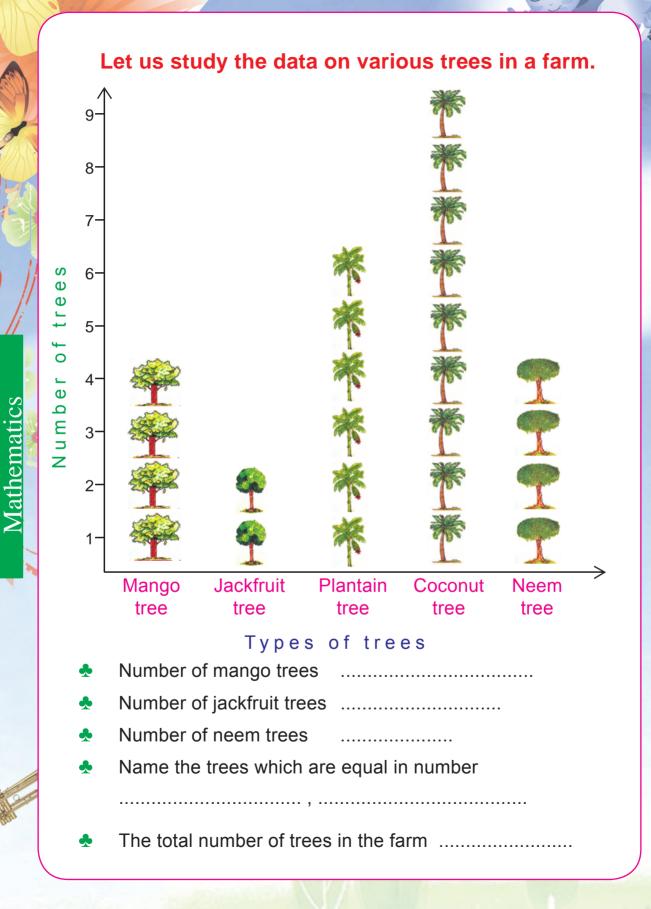
Data on favourite game



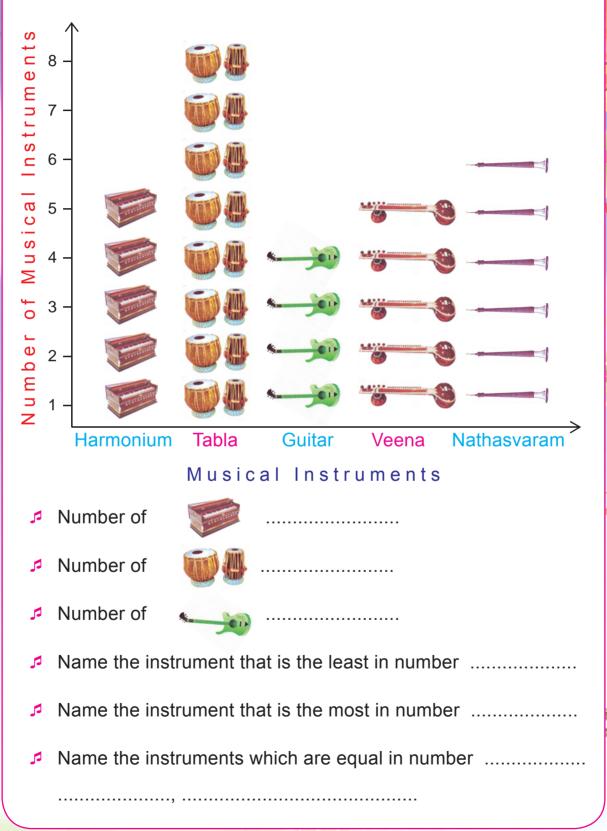
Complete the table

Game		Children (Pictograph) 🙂 In numbers								In numbers
Volleyball	ی	ی	••	••	••					5
Cricket	ی	•	•	••	••	ی	••	•)	ی	
Kabadi	•	•	<u>.</u>	<u>.</u>	<u>.</u>					
Basketball	<u>.</u>	<u>.</u>	!!	<u>.</u>						
Football	••	•	<u>.</u>	<u>.</u>	<u>.</u>	•	<u>.</u>	••		

- How many children like volleyball?
- Which is the game liked by most of the children ?
- * How many of them like kabadi?
- * How many of them like basketball?
- How many of them like football?
- The total number of children in the classroom:



Look at the Musical Instruments. Fill in the blanks.





Name the month in which your family members were born.



Father	
Mother	
Grandfather	
Grandmother	
Elder brother	
Elder sister	
Younger sister	
Younger brother	



Myself:.....



Collect the names of favourite fruits of your friends. Tabulate the details.



(Apple, Banana, Jackfruit, Mango, Grapes, Orange, ...)

Fruits	Friends (Pictograph) 🕐	In numbers

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	6	7	8	9	10	11	12	3	4	5	6	7	8	9	3	4	5	6	7	8	9
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	13	14	15	16	17	18	19	10	11	12	13	14	15	16	15	16	17	18	19	20	21
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Mathematics

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★ There are 1	2 months in a y	/ear.
They are		
January	Мау	September
February	June	October
March	July	November
April	August	December
-		

★ A year has 365 days

ACTIVITY

Write and practise the days of the week and

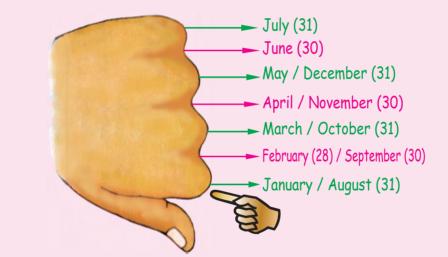
months in a year

We see that all months do not have the same number of days. Let us remember this by doing this activity:

Fold the fingers of your left hand.

With the index finger of your right hand, touch the knuckles and gaps of the left hand fist alternately.

At the same time, recite the names of all the 12 months



Months on the knuckles have 31 days and those in the gaps - 30

days (except February).

The leap year which falls once in 4 years has 29 days in February.

A leap year has 366 days.

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Our school works from June to April.

We have our vacation during May.