PANCHSHEEL PUBLIC SCHOOL

CURIOUS MINDS – VI

TERM - 2

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TERM 2

COMMON MISTAKES WE MAKE

Wrong : She doesn't listen me.
Right : She doesn't listen to me.

Wrong : You speak English good.
Right : You speak English well.

Wrong : The police is coming.
Right : The police are coming.

Wrong : The house isn't enough big.
Right : The house isn't big enough.

Wrong : You should not to smoke.
Right : You should not smoke.

Wrong : Do you like a glass of wine?
Right : Would you like a glass of wine?

Wrong : There is seven girls in the class.
Right : There are seven girls in the class.

Wrong : I didn't meet nobody.
Right : I didn't meet anybody.

Wrong : My flight departs in 5:00 am.
Right : My flight departs at 5:00 am.

CURIOUS MINDS

❌	✅
Let me examine your pulse.	Let me feel your pulse.
I have no exercise talent.	I am not athletic.
I forget my hat in the house.	I left my hat in the house.
I have a free time.	I am free.
The sun rises from the East.	The sun rises in the East.
Did you attend college ?	Did you go to college ?
Let's begin from page 10.	Let's begin at (on) page 10.
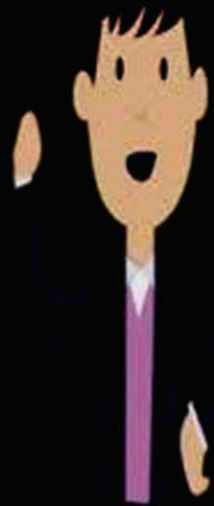
Incorrect:
Every girl must bring their own lunch.

Correct:
Every girl must bring her own lunch.

Test Your Knowledge ?
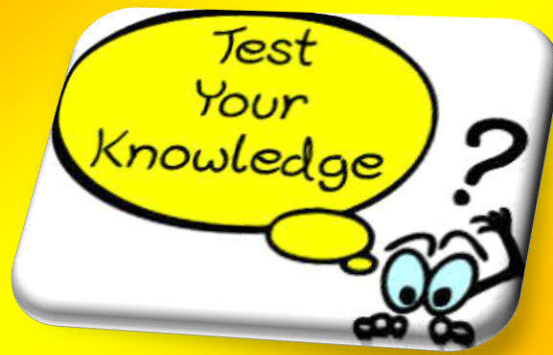
Q1. Edit the following sentences:

1.I didn't meet nobody

2.You speak English good

3.She doesn't listen me.

4.I are going to the market with Shiv.

5.The police is coming.

Q2. Choose the correct option:

1.I am going to Shimla. I will meet many friends ____(there, they're)

2.Yesterday my mother took me to a _____(fair, fare)

3.How old are you_(?)

4.It is very hot. Let's take a ____ in the pond.(deep, dip)

5.Submit your answer sheet and ____ go to the washroom (then, than)

RIDDLE TIME

1. WHICH ALPHABET IS A LINE?

2. WHICH LETTER OF THE ALPHABET REPRESENTS AN UNKNOWN NUMBER IN MATHEMATICS
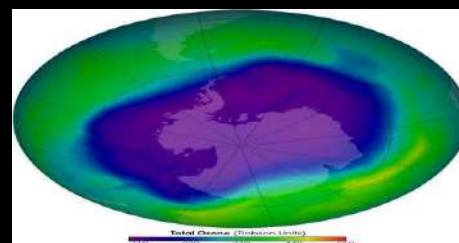
ENVIRONMENT

What is Environment?

An environment is everything that is around us, which includes both living and non-living things such as soil, water, animals and plants, which adapt themselves to their surroundings. it is nature's gift that helps in nourishing life on earth. The environment plays an important role in the existence of life on the planet earth. The word environment is derived from the French word 'Environ' which means 'surrounding '. Study of the environment is called ecology.

Importance of Environment:

Environment plays an important role in healthy living and the existence of life on planet earth. Earth is a home for different species and we all are dependent on the environment for food, air, water and other needs. It is important for every individual to save and protect our environment.

Impact of human activities on the Environment

There are different types of human activities which are directly attributed to the environmental disasters which include acid rain, acidification of oceans, change in the climate, deforestation depletion of Ozone layer ,disposal of hazardous waste, global *warming, over population etc.*

FAMOUS ENVIRONMENTALISTS

1. She is an environmentalist from the Honnali village in Karnataka who has been involved in environmental conservation activities for over six decades and has planted over 30000 saplings. She has the reputation of being the 'Encyclopaedia of forests' with endless knowledge of plants and herbs. Recently she is awarded with Padmashree by president of India.

Ans.Tulsi Gowda

2. An Indian environmentalist as well as director of science and environment and editor of fortnightly run magazine 'Down to Earth 'in 2016, She was awarded with IAMCR climate change communication research in action award.

Ans-Sunita Narain

3. Initiator of Chipko movement, this environmentalist and his followers clung to the Deodar trees in Tehri Garhwal region and save them from being cut by agencies.

Ans-Sunderlal Bahuguna

4. An Indian Gandhian environmentalist and social activist who founded the Dasholi gram Swarajya Sangha in Gopeshwar in 1964. He was awarded the Ramon Magsaysay award for community leadership in 1982.
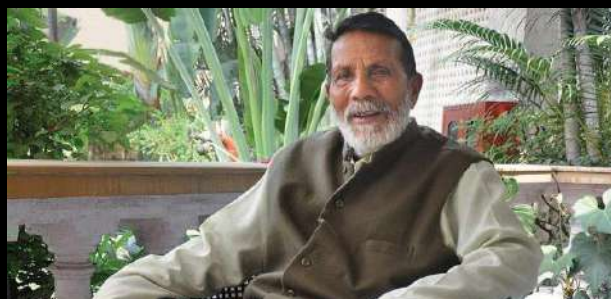
Amazing facts about Environment

1. The world's tallest tree is a coast Redwood in California measuring more than 360 feet or 110 m.

2. The Taiga also known as the boreal forest is the world's largest biome that stretches from Scotland to Newfoundland via Russia and Canada.

2. Beetroot juice is the plant-based Road salt which is used on roads instead of salt as deicer. It freezes at – 20°c rather than – 5°c and is less harmful to the environment.

TEST YOUR KNOWLEDGE

A) Answer the following Questions.
1. Who is known as' Encyclopaedia of forests?
2. Name the largest Biome in the world?
3. what is environment?
4. what are the effects of ozone depletion?

B) Match the following

A	B
1.De-icer	a.Sunderlal Bahugun
2.Chipko movement	b.Sunita Narain
3.Down to Earth	c.Beet juice
4.Taiga	d.Largest Biome

C)Fill in the Blanks.

1. Study of environment is called………………

2. Environment Day is celebrated………………

3. The tallest tree in the world………………

4. The greenhouse effect is mostly caused by……………

5. The term environment has been derived from a French word…………

CURIOUS MINDS

Types of Numbers

- Prime numbers
- Even numbers
- Odd numbers
- Whole Numbers
- Natural Numbers
- Composite Numbers
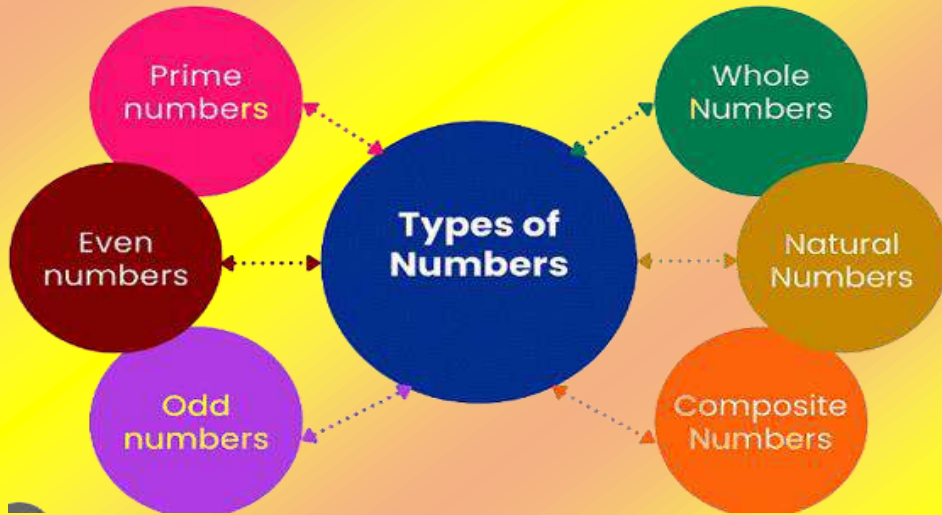
PRIME NUMBERS

A number that has only two factors, itself and 1 are called prime numbers

COMPOSITE NUMBERS

A number that has more than two factors are called composite numbers.

Primes

5
7
11
13

Composites

6   8
9   10
12   14
15   16

Whole Numbers

Whole numbers are the set of natural numbers and zero.

Integers
$\{...,-2,-1,0,1,2,...\}$

Whole numbers
$\{0,1,2,3,...\}$

Natural numbers
$\{1,2,3,...\}$
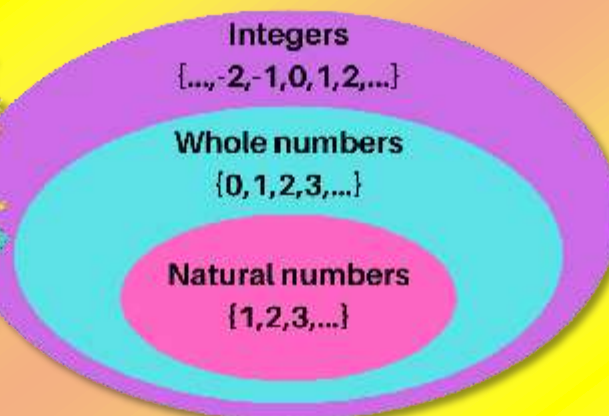
NATURAL NUMBERS

Natural Numbers

Definition: Natural numbers are the numbers used for counting.

History
Natural numbers are also known as the counting numbers. The skill of counting came about the same time as complex societies through trade, technology, and documentation.

NATURAL NUMBER

FUN FACTS

1. 2,520 is the smallest number that can be exactly divided by all the numbers from 1 to 10.
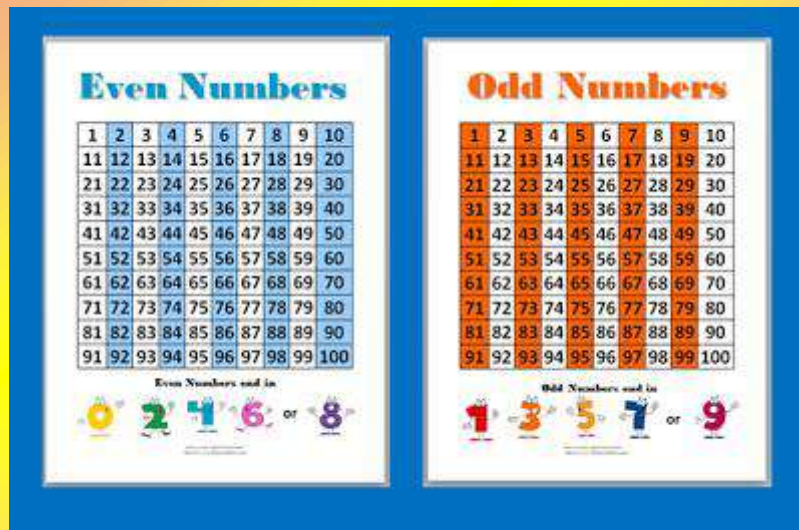2. 153 is an Armstrong number because $153 = 1^3 + 5^3 + 3^3$. some other Armstrong numbers are 370,371 and 407.
3. "Four" is the only number in the English language that is spelled with the same number of letters as the number itself.
4. 7 is prime number because the only number that will divide into it evenly are 1 and 7.
5. 2 is the only even prime number.
6. The prime numbers are endless, as well as the composite numbers.
7. 1 is not a prime number, as it is called a unique number (only have 1 factor).

Fun Facts
- Here is a interesting sequence of prime numbers in which all the digits involved have circles in them:
- 6089
- 60899
- 608999
- 6089999
- 60899999
- 608999999

TEST YOUR KNOWLEDGE

SELECT THE CORRECT WORD FROM THE BOX BELOW AND FILL IN THE BLANKS

Natural Numbers	Whole Numbers	Odd Number
Even Numbers	Prime Numbers	Composite Numbers
Factors	Multiple	Square Number	Square Root

1. _____ are numbers which are divisible by 2 and end with the following numbers: 0, 2, 4, 6 and 8.

2. A _____ is a number that has more than two factors.

3. A _____ is the result when a number is multiplied by itself.

4. The opposite of squaring a number is the _____. To find it we need to think or calculate the number that was squared to make it.

5. The numbers 0, 1, 2, 3, 4... are called _____.

6. Counting numbers can also be called _____.

Complete the following questions

1. List all the integers between between -14 and 10

_____

2. List all the whole numbers less than 30

_____

3. Make list of 5 irrational numbers

_____

4. Make a list of 5 rational numbers

_____

5. List all the integers between between -35 and 25

_____

6. List all the whole numbers less than 16

_____

7. Make list of 6 irrational numbers

_____

8. Make a list of natural numbers between 40 and 90

Scratch: An Introduction

Generally, two people talk to each other in a language they both understand. This makes the communication easy. Imagine a situation where one person is speaking? In English and the other person is replying in Telugu.
But what happens when you have to communicate with a computer?
Do you think a computer can understand?
the language you speak? No, it does not.

Introduction to Scratch

Scratch is one the easiest computer programming languages. It has a platform (Software) that can be downloaded for free. It is used to create games, animated Stories, projects and so on. It provides an interactive environment to create programs by dragging blocks of code.

Starting Scratch

To start Scratch, follow these steps:

1. Click on the **Start button** and search **scratch Desktop**
2. The Scratch Desktop window appear on the screen.

Main Component Of Scratch
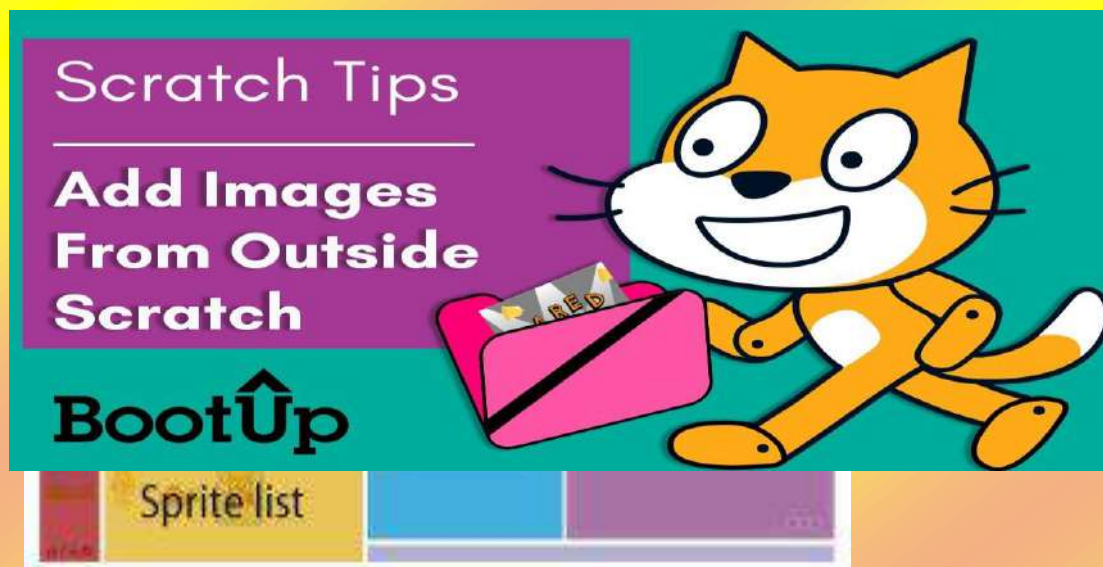
Menu Bar: It is the top-most of the Scratch window. It includes the option To save, open, and edit a project.

Sprite: sprite is a small graphical character that performs actions in a project. It can be of any type, shape, colour and size.

Stage: A sprite is placed on the stage to perform actions. It is the area where a sprite moves when you run a project.

Code Blocks: In Scratch, blocks are like puzzle pieces used to create projects. It contains many sets of blocks that are used to program a sprite.

Script: A script is create by joining blocks of either same or different categories. It is used to program a sprite.

Script area: The blocks are dragged and dropped into the script area to create a script or a program.,

Saving a project

To save a project in Scratch follow these steps:

1. Click on the **file** menu in the menu bar and select the **Save to your computer** option from the drop-down list.
2. The Save as dialog box appears
3. Choose the desired location where you want to save your project and type a suitable name in the **file name** box.
4. Click on the **Save** button

Amazing fact

1. Scratch 2.0 is the second version of the language scratch. It was officially. It was officially released on 9 May 2013.
2. Scratch 3.0 is the third version of scratch, launched on January 2, 2019.
3. In the Scratch 3.0 programming editor, you can add collections of extra Blocks called extensions.
4. Scratch 3 is available in both online and offline versions and it can now be run on tablets.

Test your knowledge

1. **What is the use of scratch?**

    Ans._____

    _____

    _____

2. Write the steps for start Scratch.

    Ans._____

    _____

    _____

3. What is sprite?

    Ans._____

----
4. Define stage.
   Ans._____

   ----
5. What is script area in Scratch window?
   Ans._____

Greek Civilization

Greek civilization is one of the oldest and most developed to societies of its time. It existed between 8th to 6th century B.C. which was a period of great artistic, political and scientific achievements. It was a Greek civilization that introduced democracy to the world. This civilization was spread from Greece through Europe and dominated much of the Mediterranean. It was at its peak under the rule of Alexander the great.
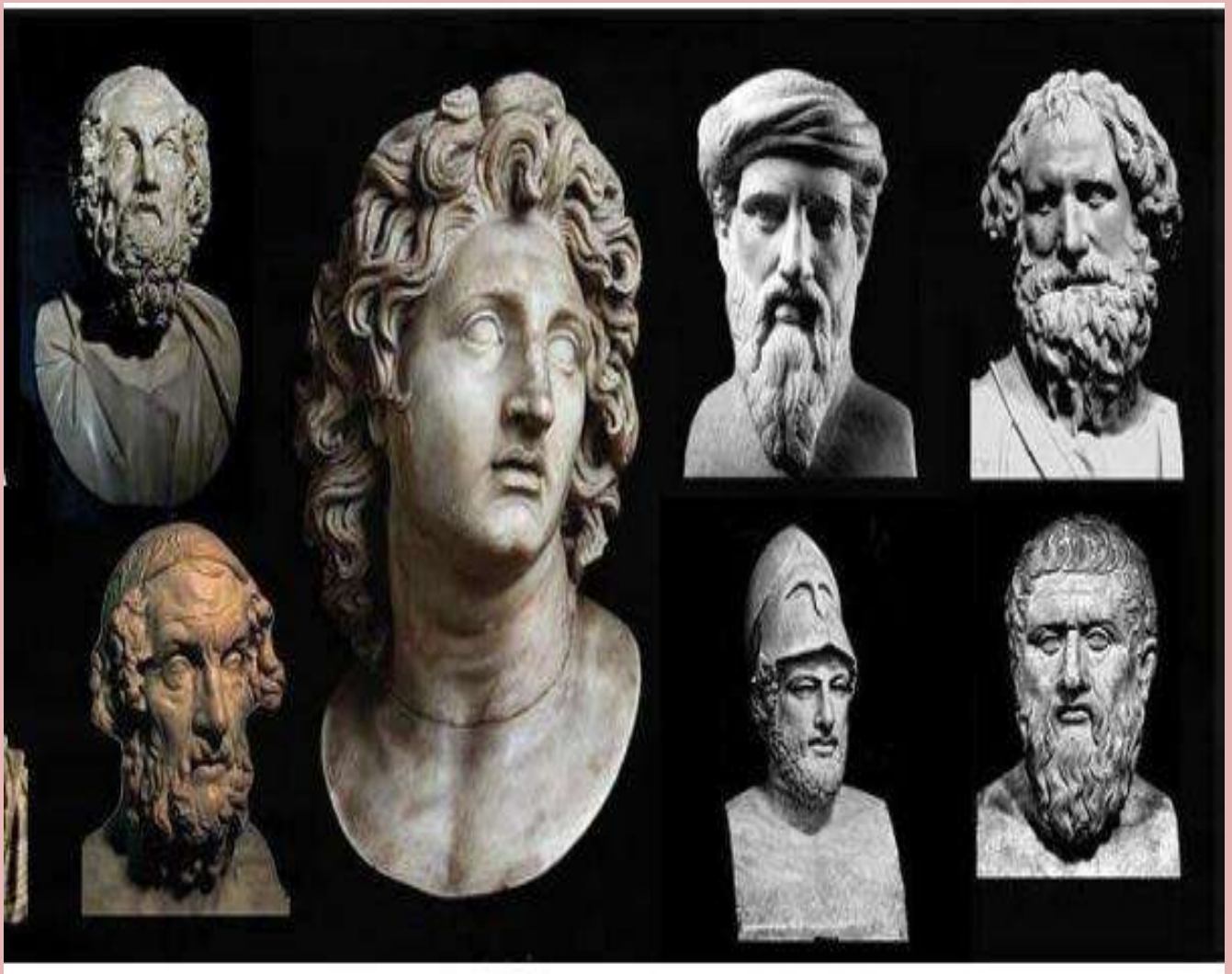
The Greek civilization has a great influence on the roots of modern society right from sports to mathematics, philosophy, science, arts, literature, etc. Ancient Greece had two main cities Athens and Sparta having very distinct cultures and practices. Sparta mainly forecast on whale military conquest while Athens was the Centre of trade education art and literature. Athens has a famous temple of goddesses Athena, the protector of city called the Parthenon.

Greek civilization has made a great contribution to scientific studies by introducing the concept of geometry applied mathematics and calculus. The discovery of mathematicians like Pythagoras, Euclid and Archimedes have changed the world forever. Hippocrates' discoveries in the field of magazine on him the status of 'Father of Medicine'.

Apart from this Greek civilization has left a long lasting influence in the art and architecture which are inspired from Greek mythology. The modern ideas of politics , law and philosophy are also derived from the ancient Greek . In other words, Greek civilization has provided the framework for modern culture and society to develop.

Amazing facts

- The first Olympics were held in the Greek city of Olympia in 776 B.C. in honour of the Greek God Zeus.
- Greek mythology contains interesting demons witches and monsters which have inspired several artworks, novels and motion pictures.

ANSWER THIS!

1. During which period did Greek civilization exist?

2. With civilization introduced democracy to the world?

3. Name the two important cities of ancient Greece.

4. Name some important Greek mathematicians.

5. Who was Hippocrates?

Choose the correct option:

1. Greek civilization was the period of _____.
   (a) Great Artistic   (b) Political Achievement

   (c) Scientific Achievement   (d) All of these

2. Ancient Greece had _____ main cities.
   (a) One   (b) Two   (c) Three   (d) Four

3. Greek civilization existed between _____ to _____ Century B.C.
   (a) 6th, 8th (b) 3rd, 7th (c) 8th, 6th (d) 7th, 4th

4. _____ was the centre of trade, education, art and literature.
   (a) Athens   (b) Sparta

   (c) Both A and B   (d) None of them

5. Mathematicians like Pythagoras, Euclid and Archimedes were belong to _____.
   (a) Greek Civilization   (b) Indus Valley Civilization

   (c) Chinese Civilization   (d) All of these

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