

Log on to COMPUTER



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First New Edition

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PREFACE



Computer is the basic need of this modern era. Now-a-days it is using in very offices and houses. Computer has brought about drastic changes in our life. People in all fields of life use computers to perform multipurpose tasks.

The series of eight books for classes 1 to 8. The series has been delivered and designed in such a way that a child can understand the basic concepts of computer and its applications. We have tried to achieve our objective through interactive updated contents and activities presented in a learner friendly manner focusing on the activity - oriented computer education.

Salient Features of the Books:

- Simple language, exciting and meaningful illustrations are provided to elucidate the concepts.
- Let's Know section is given at the start of each chapter to recapitulate the important points.
- Did You Know section presents interesting information to take learning beyond the given text.
- Activities within the chapter develops technical and cognitive skills.

 The aim of our books is to make students understand the working and applications of computer on their own.

Every efforts has been made to keep the series worthful, but still the door is open for your valuable suggestions for the improvement of the series. Your suggestions will be gratefully acknowledged and will be given due consideration in the subsequent editions.

Authors

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INTRODUCTION OF COMPUTER



⇒ What is a Computer?

Hi children! Do you know, what is this?





This is a COMPUTER.

It is an electronic device.

It stores data.











Types of Computers:



Desktop Computer



Laptop Computer



Tablet



Smart Phone

○ What is a Machine?

A machine is a tool made by man. It makes our work easier and faster.

Let us know about some more machines.



Camera



Calculator



Geyser



Mobile Phone



Television



Refrigerator



Teacher's Corner

Explain the students how all these machines are helpful to us.











Computer-A Smart Machine

Computer is a smart machine. Its main features are given below:

Computer is a machine made by man.

Computer works very fast.

It never makes mistakes.

It stores a large data.



It works on our ommand.

5

It performs many functions.

A computer can be used to count, add, write, draw and paint.















- A machine is a tool made by man.
- A calculator is a machine.
- © Computer makes our work easier.
- A computer is an electronic device.



A.	Wı	rite these wo	ords and learn	the spelling.
	1.	Computer	•••••	•••••
	2.	Machine	•••••	•••••
	3.	Electricity	•••••	••••••
В.	Fil	l in the blan	ıks with the ri	ght words.
	1.	Computer	is a	machine.
				(Slow / Smart)
	2.	••••	are man ma	ade things.
				(Machines / Parrots)
	3.	Computer	makes our wor	k
				(Easy / Difficult)
	4.	A	can do	many things.
				(Computer / Table)











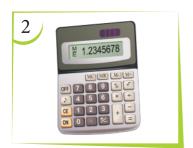
C. Match the pictures of these machines to their names.



Refrigerator

Juicer





Computer

Iron





Calculator

TV



D. Write 'T' for the True statement and 'F' for the False statement.

- 1. A black-board is a machine.
- 2. A calculator is a machine.
- 3. Computer stores large data.
- 4. Computer works on our command.
- 5. Computer does not have a memory.













BASIC PARTS OF COMPUTER



A computer has different parts. Each part has a special function.





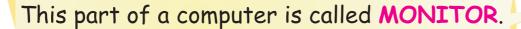








Monitor



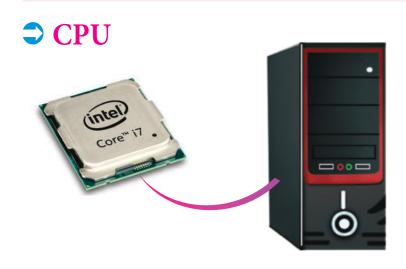




Monitor looks like a television.

We can watch movie on it.

It shows us all the input and output.



This part of the computer is called CPU.



CPU stands for Central Processing Unit.

CPU is the brain of the computer.

It carries out the instructions of the computer.















This part of the computer is called KEYBOARD.





Keyboard looks like a typewriter.

The Keyboard has many small buttons called Keys.

We use these Keys to type words and numbers.

Mouse

This part of the computer is called MOUSE.



Wow! It also has a long tail like a real mouse.



Mouse is used to point and click on the computer screen. It is used to play games on the computer.

It is used for selecting objects and drawing.















- UPS stands for Uninterruptible Power Supply.
- © CPU stands for Central Processing Unit.
- © CPU is the brain of a computer.
- Keyboard is used to type words and numbers.
- Mouse is used to point and click.



A.	Wr	ite these words and learn the spelling.
	1.	Monitor
	2.	CPU
	3.	Keyboard
	4.	Mouse
В.	Fil	l in the blanks with the right words.
	1.	The is used to play games on a computer.
		(Tablet / Mouse)
	2.	The is called the brain of the computer.
		(CPU / PCQ)
	3.	The helps us to type on computer.











(Mouse / Keyboard)



4. A looks like a TV.

(Keyboard / Monitor)

5. The shows pictures and movies.

(Monitor / Mouse)

C. Match the parts of a computer to their names.



Keyboard

Monitor





Mouse

CPU



D. Write 'T' for the True statement and 'F' for the False statement.

- 1. The CPU is the main part of a computer.
- 2. We can not watch movies on a computer.
- 3. The keyboard helps to draw on the computer.
- 4. CPU is the brain of a computer.
- 5. The mouse is used to point and click on the computer.















SOME OTHER PARTS OF COMPUTER



- More parts of a computer:

We have learned the main parts of computer. Now let us learn about some other useful of a computer.

Joystick

This is a **Joystick**.

A JOYSTICK is used to play games on the computer screen.



Microphone

This is a **Microphone**.



A MICROPHONE is used for recording voice music and sounds into the computer.













This is a **Scanner**.

A SCANNER is used to put paper work into the computer.





Printer

This is a **Printer**.

A PRINTER is used to print the computer work on paper.

Speaker

This is a **Speaker**.

The SPEAKERS are used to listen to the music and sounds from the computer.





Headphone

This is a **Headphone**.

The HEADPHONES are used to hear the music or sounds without disturbing others.











UPS

This is a **UPS**.

Hi children! UPS Stands for Uninterruptible Power Supply.





The UPS keeps a computer ON for at least 15 to 30 minutes even after the electricity goes OFF.

CD Drive

The CPU has a CD Drive. We put CDs into the CD Drive to play them.



We can connect any of these parts to the CPU.



- Scanner is used to put paper work into the computer.
- A microphone is used to record voices and sounds.
- A printer prints the computer work on paper.
- A Joystick is used to play games on the computer.
- We put CD into the CD Drive to play it.
- Speakers and headphones let us hear music and sound.
- UPS keeps computer ON when electricity goes OFF.

















A.	Wr	rite these words and le	earn	their spelling.
	1.	Printer	2.	Headphones
	3.	UPS	4.	CD Drive
	5.	Speakers	6.	Scanner
	7.	Joystick	8.	Microphone
B.	Fil	l in the blanks by cho	osin	g correct word from the
	bra	ackets.		
	1.	A computer.	outs	paper work into the (Printer / Scanner)
	2.		•	the computer ON when (UPS / CD Drive)
	3.	A helps us computer.		record our voice into the (Speakers / Microphone)
	4.	We put the in	n the	CD Drive to play it.
				(UPS / CD)
	5.	We use or hon the computer.	eadp	phones to listen to music (Scanner / Speakers)











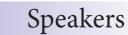
C. Match the Computer parts to their names.











Scanner

Headphones

UPS

Printer

CD Drive

Joystick

Microphone









D. Write 'T' for the True statement and 'F' for the False statement.

- We put CD in the CD Drive to play it.
- UPS stores electricity.
- Microphone is used to record voice. 3.
- You use a joystick to play computer games. 4.
- Scanner helps to put pictures from paper into the computer.















USES OF COMPUTER

Let us Know

- Uses of Computers
- Watching Movies, Playing Games
- Drawing and Colouring, Solving Sums
- Listening to Music, Learning, Typing
- Sending and Receiving Messages

Do you know what these children are watching?

Hi children! These children are watching a cartoon movie.



In addition to watching movies, we can do many more things on the computer. Let us learn about them in this chapter.













Playing Games

Computer is used to play many games on the computer like Chess, Car racing, Cricket, Football, Shooting etc.



Drawing and Colouring



We can draw and colour on the computer easily. We can also make greeting cards on the computer.

Solving Sums

The computer is very fast in calculating the sums.















Listening to Music



We can enjoy playing songs and listening to the music on the computer.

⇒ Helpful in Studies

Computers are helpful in our studies. We can learn subjects like English, Maths and Physics on the computers.



Typing Letters and Messages



We can use the computer to write letters and design greeting cards. We can also print letters and greeting cards with the help of a printer.













Sending Messages

We can use the computer to send and receive messages to our friends and relatives anywhere in the world, very quickly.



We can also chat with your friends or relatives with the help of internet.



- We can perform many functions on a computer.
- We can watch movies and play games on the computer.
- We can draw, colour and solve sums on the computer.
- © Computers are helpful in our studies.
- We can write letters and design greeting cards using the computers.



A. Write these words and learn their spelling.

1. Colours



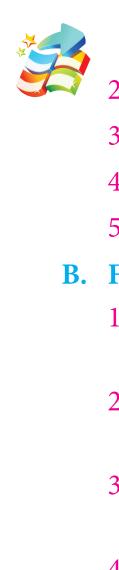












2.	Drawing
3.	Messages
4.	Greeting Card
5.	Movies
Fil	l in the blanks with right words.
1.	A computer is used to send and receive
	(sums / messages)
2.	We can use a computer to design cards.
	(greeting / telephone)
3.	The computer is used to solve the
	(drawings / sums)
4.	We can watch cartoon on the computer.
	(movies / music)
5.	We can listen to the on the computer.
	(messages / music)
6.	We can use a computer to our subjects.
	(learn / type)
7.	We can letters on the computer.
	(type /learn)

24





The computer is used to play the





C. Match the pictures with their names.



- D. Write 'T' for the True statement and 'F' for the False statement.
 - 1. A computer is used to type letters.
 - 2. A computer does help us in our studies.
 - 3. We cannot watch cartoon movies on the computer.
 - 4. We can play games on the computer.
 - 5. We can make video calls on the computers.















THE KEYBOARD

Let us Know

- Keyboard Keys
- Number Keys
- Enter Key

- 🖈 🛮 Alphabet Keys



We use a pen or a pencil to write on a paper.



We use a keyboard to write on the computer.



Hi children! Writing on the computer with the help of the keyboard is called TYPING.



Keyboard Keys

We can type words or numbers on the computer by using the keys of the keyboard.





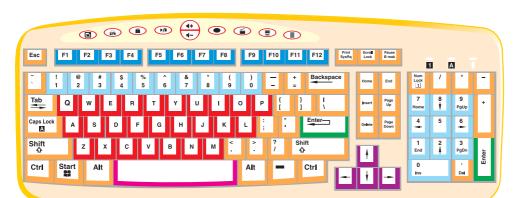








Hi children! Buttons given on the keyboard are called Keys.



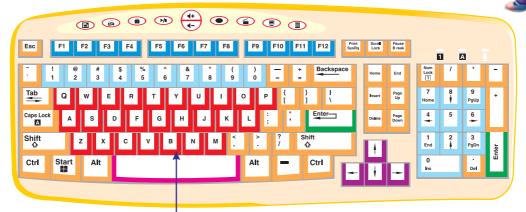


Hi children!
Now let us
learn about the
keys given on
the keyboard.

Alphabet Keys

Words and sentences can be typed in the computer using ALPHABET Keys.

Hi children! The keys shown in blue colour are the alphabet keys.



These are alphabet keys.















To type numbers we use NUMBER keys.

Hi children! The keys shown in green colour are the Number keys.

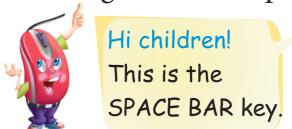


NUMBER keys are given at the top and the right corner of the keyboard.



Space Bar Key

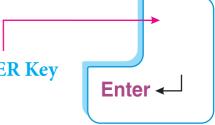
SPACE BAR key is the longest key on the keyboard. It is used to give a blank space between two words.



Space Bar

Enter Key

ENTER KEY is used to move the cursor to the next line while typing.



TEACHER'S CORNER

Explain the children all the keys given on the keyboard and their usage.















- Writing words and sentences by using the keyboard is called typing.
- Alphabet keys help us to type words and sentences.
- The Number keys help us to type numbers.
- We can give space between words and numbers with the help of a space bar key.
- Enter key helps us to go to the next line while typing.



A.	Wı	rite these words and learn their spelling.
	1.	Alphabet keys
	2.	Number keys
	3.	Space bar
	4.	Enter key
B.	B. Fill in the blanks with the right word.	
	1.	To type on the computer we need a
		(Keyboard / Key)
	2.	key is the longest key on the keyboard.
		(Enter key / Space bar)
	3.	The keys which is used to type words and letters
		are the keys. (Number / Alphabet)

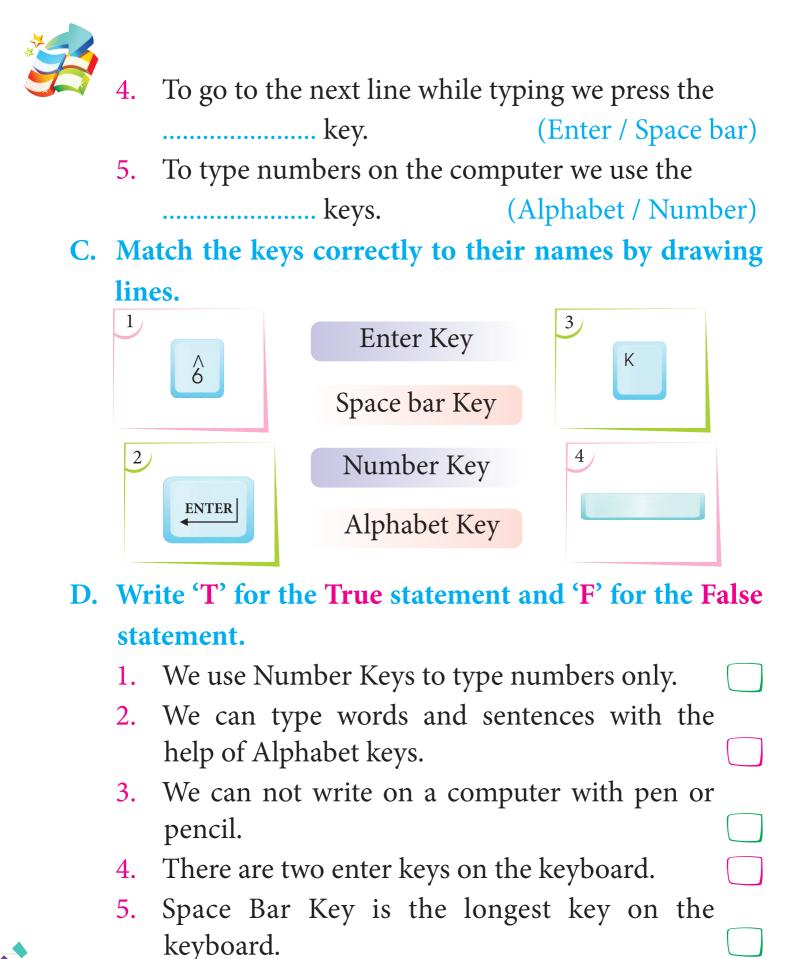




























- Mouse and Mouse Pointer
- Holding the Mouse
- Mouse Actions- Pointing, Clicking, Double Clicking and Dragging

Hi children! A mouse has a small wheel in its centre known as the scroll wheel.

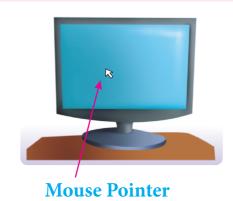




A mouse has two buttons- Left button and Right button.
It is kept on a Mouse pad.
Mouse cable connects the mouse to the computer's CPU.

Mouse Pointer

A mouse pointer is an arrow that moves in the same direction as the direction of mouse movement.

















A mouse is used to perform different actions like Pointing, clicking, double clicking and dragging.

Pointing

Mouse pointer pointing at the Games icon

Look at this small arrow on the monitor screen. Do you know what is this? This is a mouse pointer.

Clicking



Pressing buttons on the mouse is called clicking.

Clicking action is used to select objects on the computer screen.

Double Clicking

Two times clicking of the left button of the mouse is known as double clicking.



When we double click the mouse it makes two sharp CLICK sounds.











Dragging

Dragging means to move the mouse while keeping one To drag we keep

of its button pressed.





Teacher's Corner

Please start the computer and open the Start screen. Then help the children to do these activities.



- Mouse has two buttons Left button and Right button.
- Small arrow on the computer screen is called the mouse pointer.
- A mouse pointer is an arrow that moves in the same direction as the direction of mouse movement.
- Pressing buttons on the mouse is called clicking.
- Two times clicking of the left button of the mouse is known as double clicking.

















A.	Write these	words an	d learn	their s	pelling.

	1.	Pointer
	2.	Dragging
	3.	Clicking
	4.	Double Clicking
	5.	Pointing
В.	Fil	l in the blanks with the right word.
	1.	The mouse has two buttons-left button and
		button. (right / fit)
	2.	Mouse is kept on a mouse
		(Pad / Board)
	3.	The small arrow on the computer screen is called
		the mouse (pad / pointer)
	4.	means to bring the pointer over a
		thing displayed on the computer screen.
		(Pointing / Clicking)
	5.	Two times clicking of the left button of the mouse



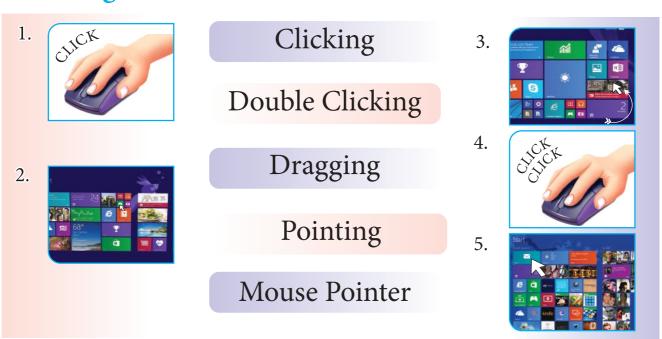








C. Match the pictures correctly to their names drawing lines.



- D. Write 'T' for the True statement and 'F' for the False statement.
 - 1. Pressing buttons on the mouse is called clicking.
 - 2. The small arrow on the computer screen is called the mouse pointer.
 - 3. When we move the mouse, mouse pointer also moves in the same direction.
 - 4. Two times clicking of the left button of the mouse is known as clicking.
 - 5. To drag means to bring mouse pointer over a thing on the computer.















FUN WITH PAINT



- Parts of the Paint Window
- Drawing and Colouring in Paint

○ What is Paint?

Paint is used to draw and colour pictures on the computer screen.

Hi children! We can draw and erase the wrong lines very easily in Paint.





Did You Know?

MS Windows and MS Paint have been developed by the Microsoft Corporation.

We work in Paint with the help of the mouse by performing actions like pointing, clicking and dragging.













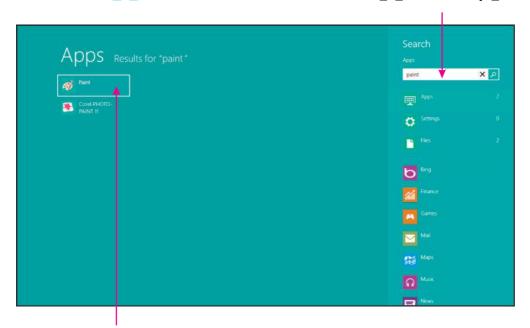
Starting Paint

Follow the steps given below to open the Paint program:

1. Point at the upper right corner of the **Start** screen.



2. In the Apps Search box that appears type 'Paint'.



Click on Paint.
 The Paint program will open.



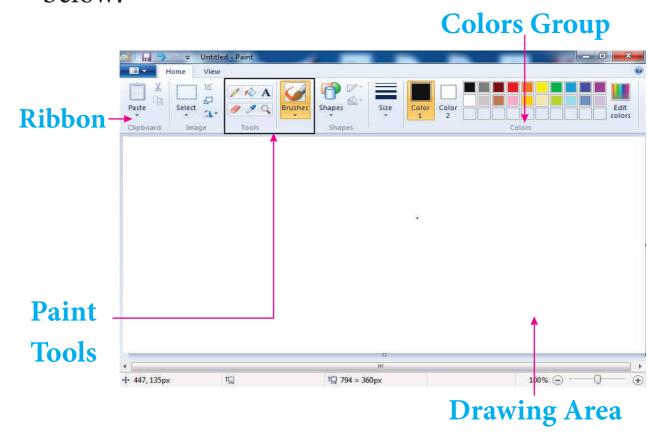








Main parts of the Paint program window are shown below:



Ribbon: Ribbon area contains tools and colors which help us to draw and color.

Colors Group: From the Colors group we can select colors to fill in our drawings.

Paint Tools: Paint tools help us to draw, make corrections in the drawings and color the drawings.

Drawing Area: This is the area where we work to draw and color our pictures or drawings.











Working With Paint Tools

Pencil Tool (//)

The Pencil Tool is used to draw thin lines like you draw with a real pencil.





Step by Step

Use the Pencil tool to draw lines.

- 1. Click on the **Pencil tool** to select it.
- 2. Click on

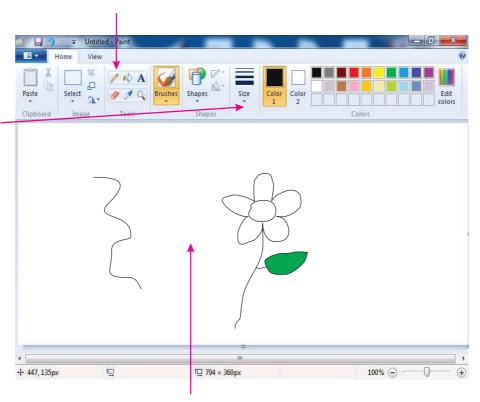
 Size box

 and select

 a line size

 from the

 size list.



3. Bring the mouse pointer in the drawing area and drag the mouse to draw lines.













The Brushes help us to draw thick and thin lines like the real paint brushes.

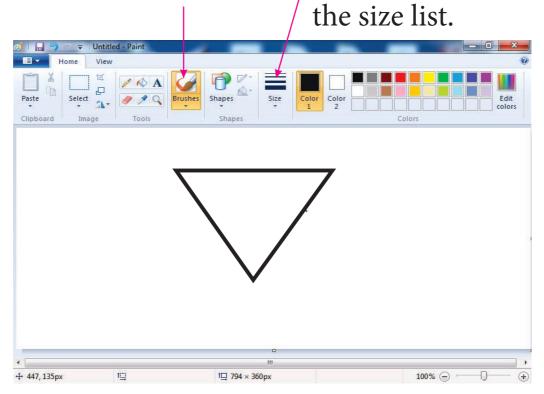




Step by Step

Use the Pencil tool to draw lines.

Click on the Brushes
 Click on Size box and select a line size from



3. Bring the mouse pointer in the drawing area and drag the mouse to draw lines or shape as required.















The Eraser tool is used to erase mistakes in our drawings.

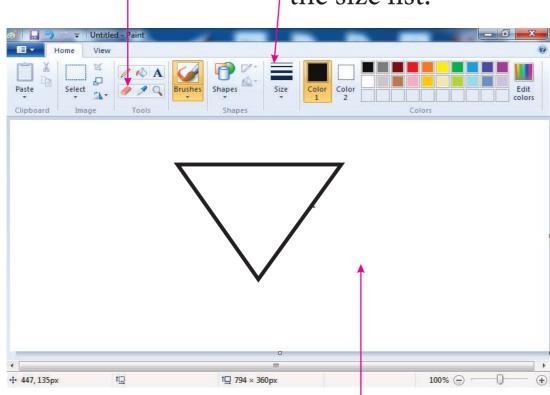




Step by Step

Use the Eraser tool to erase mistakes.

1. Click on the Eraser 2. Click on Size box and tool to select it. select an Eraser size from the size list.



3. Drag the pointer over the area that you want to erase.













The Fill With Color Tool is used to fill colors in a drawing.

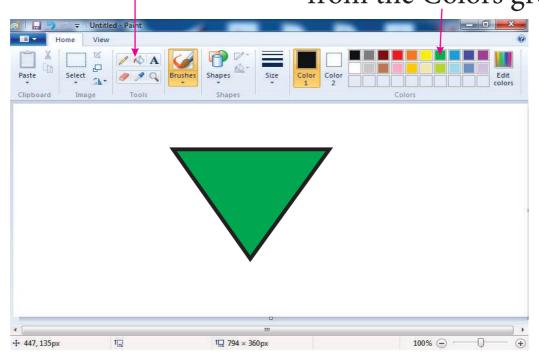




Step by Step

Use the Fill With Color tool to fill colors

1. Click on the Fill With 2. Click on the color, Color tool to select it. which you want to fill from the Colors group.



3. Bring the pointer inside the drawing and click the mouse. The selected color will get filled in the drawing.















- Paint is used to draw and colour pictures on the computer screen.
- The Pencil is used to draw thin lines like a real pencil.
- The brushes help us to draw thick and thin lines like a real paint brush.
- © Eraser tool is used to erase an area of the drawing.
- Fill With Color tool is used to fill colors in our drawing.



A. Write these words and learn their spelling.

1.	Paint
2.	Program
3.	Pencil Tool
4.	Brushes Tool
5.	Eraser Tool
6.	Fill With Color

B. Fill in the blanks with the right word.

- 1. is a program that is used to draw and color. (Paint / Brushes)
- 2. The tool is used to draw thin lines.

(Eraser / Pencil)

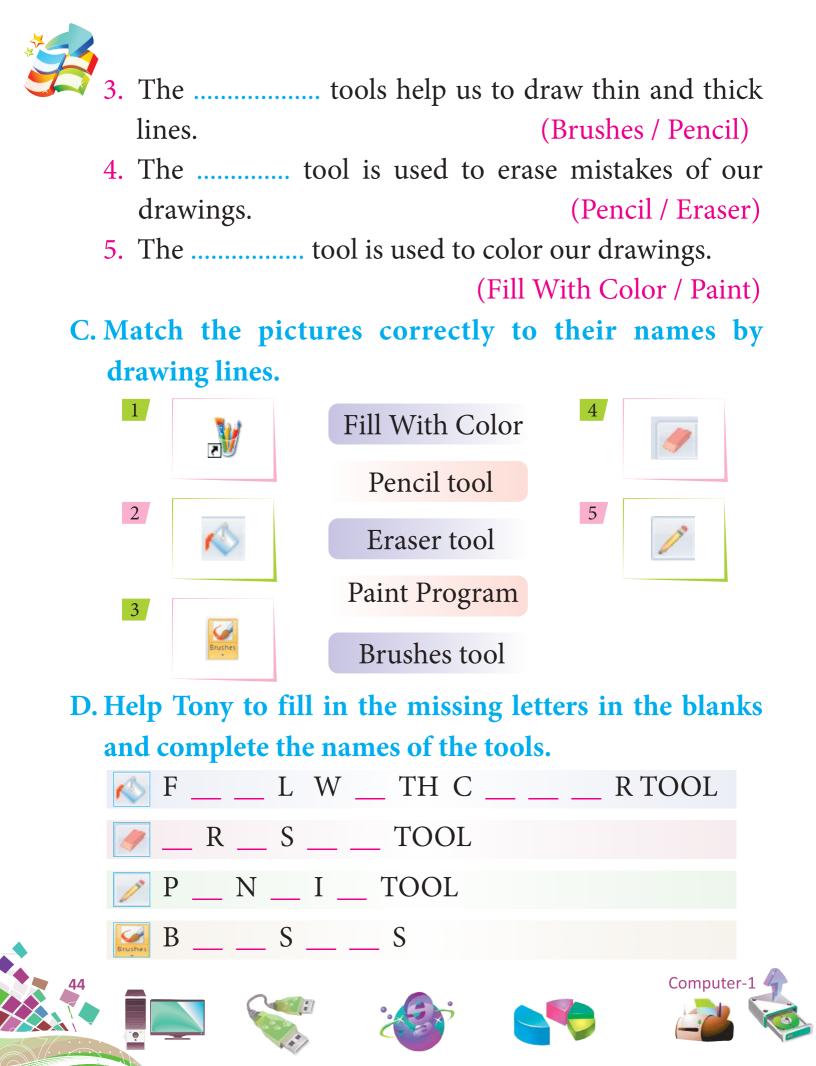
















AN OVERMEW OF WINDOWS 10



Windows 10 is the latest version of the operating system from Microsoft. It was officially released in 2015 and was initially offered free of charge to legitimate users of Windows 7 and Windows 8.1. This new version combines features from those two previous installments to suit the users in a better way for both desktop/laptop computers as well as mobile devices.

















The most notable change in Windows 10 is that Microsoft replaced the Start screen tiles from Windows 8, and brought back the Start Menu. They also removed the vertical toolbars (or "charms") that appeared from the sides of the screen. These changes make this Windows version easier to use for users of both desktop/laptops and mobile devices.

○ Installation of Windows 10

There are two approaches you can take for installing Windows 10 in your computer: Upgrade or a Clean Install. Typically, when you upgrade your operating system, all your documents and applications remain unchanged, whereas with a clean install you would be starting again from scratch. But one important thing to verify first is if your computer has the necessary hardware to support Windows 10.

System Requirements

Although most computers nowadays probably have the necessary requirements for Windows 10. It will certainly











be useful to know them in case you want to upgrade from an older system.

The main requirements are:

- ☐ A processor (CPU) with a clock rate of at least 1GHz.
- ☐ At least 1 to 2GB of memory (RAM), but Microsoft recommends 4GB.
- ☐ At least 16GB space in your hard disk.

One important thing to note is that the installation process itself will verify your computer hardware and let you know if it qualifies for a Windows 10 upgrade or not. If not, then you will need to upgrade your hardware.

Upgrade

If your computer qualifies for a Windows 10 upgrade, then you can follow these steps to perform the upgrade:

Step 1: Look for the Windows 10 notification in the lower-right corner of the screen. This is a one-

year-only offer that Microsoft is extending to valid users of Windows 7 and Windows 8.1.





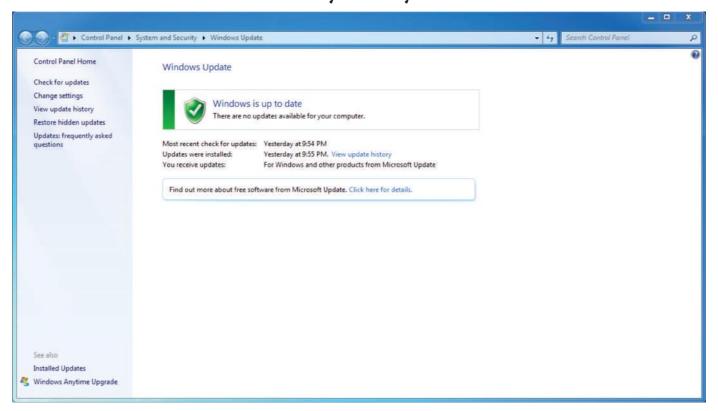








Step 2: By clicking on the notification, it will start the download and installation process of Windows 10 in your system.

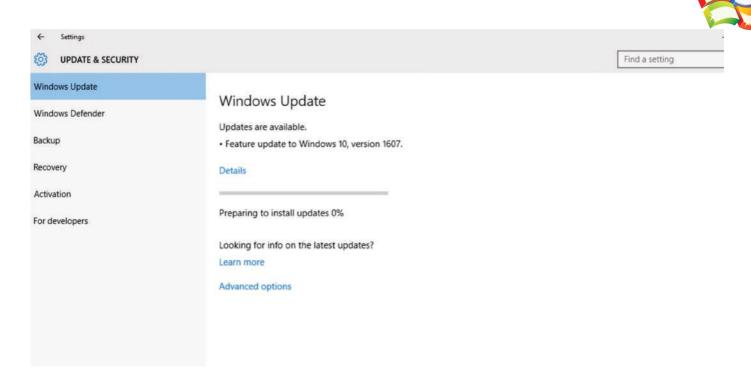


The download required for the upgrade is quite large, so make sure you have a stable Internet connection and continuous power for your computer to avoid interruptions during the process.

Step 3: After the download is complete, it will prompt you to accept Microsoft's license terms.







Step 4: After agreeing to the terms, it will ask if you want to install the upgrade at that moment or schedule it for later.











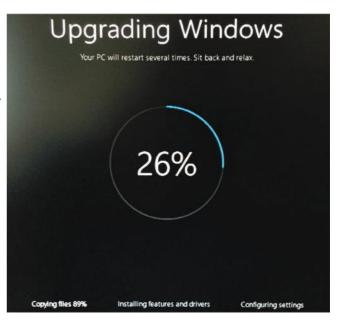




Since the upgrade process can take approximately 2 hours, it will be helpful to schedule it for a time, that will be more suitable to you.

Step 5: Once the upgrade starts, the system will perform a series of tasks, during which you will see the following screen.

During this time, your computer will reboot a couple of times, so don't worry. The process itself will take you through the steps to complete the upgrade.



Step 6: As the upgrade approaches its end, it will ask you to configure some basic Windows settings. You can choose to use Express settings, which will apply the most common or recommended settings, or you can choose to customize the settings as you please.















Step 7: After the upgrade finishes, you'll see the Windows welcome screen.



- Windows 10 is the latest version of operating system from Microsoft.
- Windows 10 was released in 2015.
- The most notable change in Windows 10 is that Microsoft replaced the Start Screen titles from Windows 8 and brought back the Start Menu.
- There are two approaches you can take for installing Windows 10 in your computer: Upgrade or a Clean Install.



A.	Write	these	words	and	learn	their	spell	ling.

1.	Microsoft	
2.	Windows 10	•••••
	Clean Install	













Fill in the blanks with the right word.

- 1. Windows 10 is the version of the operating system from Microsoft. (oldest/latest)
- 2. Windows 10 was released in (2010/2015)
- 3. There are approaches you can take for installing Windows 10 in your computer.

(two/four)

C. Write 'T' for the True statement and 'F' for the False statement.

- 1. Windows 10 is the latest version of the operating system from Reliance.
- 2. Microsoft has replaced the Start screen files from Windows 8.
- 3. Your hard disc should have at least 16 GB space to upgrade Windows 10.















A. Look at the pictures and name them.









- B. Write the names of the computer parts with the help of the clues given below.
 - 1. I am called the Brain of the Computer.
 - 2. I work very fast and help you do many things.
 - 3. I look like a TV and show you everything that you do on the computer.
 - 4. I have two buttons and a long tail like wire.
 - 5. I help you type words and numbers on the computer.









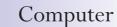




Match the picture with their names.







Printer



Remote





D. Answer the following questions.

- 1. What does a joystick help you to do?
- 2. What is the use of UPS?
- 3. What is the full form of CPU?
- 4. What do you mean by Double Clicking?
- 5. Write the four main parts of computer.















A. Write the names of the following.









B. Fill in the blanks.

- 1. The help us to listen to the sound given by the computer.
- 2. We use the to play games on the computer.
- 3. We can listen to the on the computer.
- 4. We can play on the computer.
- C. Read the clues and write their names of the computer parts.
 - 1. I let you hear sounds from the computer.
 - 2. It helps you print your computer work on paper.











