



Parts of a Computer



Dear **Students**,
We have learnt a lot about computers in the last class. Now, let us learn about parts of a computer.

Yes **Teacher**,
A computer has different types of parts. Let's learn about them.



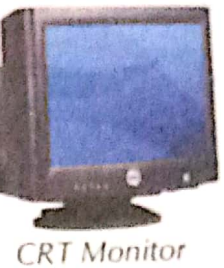
Dear children,

A computer has different parts and all of them are connected with each other. For example, Monitor, CPU Box, Keyboard, Mouse, Speakers, etc. Some of the parts like Scanner, Web Camera, Printer, Speakers and Headphone make a computer more useful. Let us learn about them.



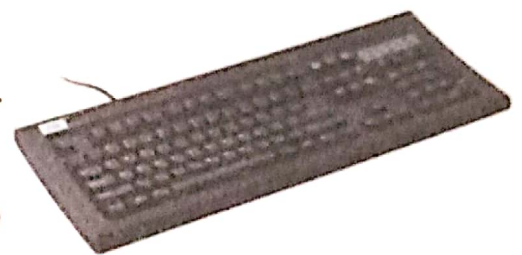
Monitor

- ♦ A monitor looks like a television (TV).
- ♦ It shows us the work done on a computer.
- ♦ We can watch movies and cartoons like Doraemon, Little Krishna, etc. on it.
- ♦ Older monitors were big and heavy called CRT monitors.
- ♦ Today, monitors are thin and light. Mostly, they are TFT or LED monitors.



Keyboard

- ♦ Keyboard looks like a typewriter.
- ♦ It has of a number of small buttons, called keys.
- ♦ We type words and numbers on the keyboard.
- ♦ Using the keyboard, we also give commands to the computer to do our work.



Note

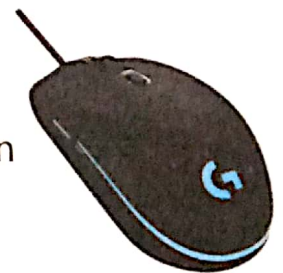
Pressing the keys of a keyboard to write on a computer is called **typing**.

Do You Know?

There are more than 100 keys on a keyboard.

Mouse

- ♦ A mouse is a pointing device.
- ♦ It is used for pointing and choosing pictures/icons.
- ♦ A mouse pointer helps us to point, select and move an item on the screen.



Different types of mouse

A Ball mouse uses a rubber ball for its cursor movement but an Optical mouse uses light instead of a ball for its cursor movement.



Ball Mouse



Optical Mouse



Wireless Mouse

Central Processing Unit (CPU)

- ♦ CPU is made of Arithmetic and Logic Unit (ALU) and Control Unit (CU).
- ♦ The CPU is also called the brain of a computer.
- ♦ A CPU is located inside the cabinet called CPU box.
- ♦ It does all the calculations in computer system.
- ♦ It also controls other computer parts.
- ♦ It can execute millions of instructions in a second.



CPU



System Unit

Speakers

- ♦ Speakers are used to listen to music or any sound played on the computer. They output the data (audio) in the form of sound.
- ♦ They usually come in pairs (Left and Right speaker).

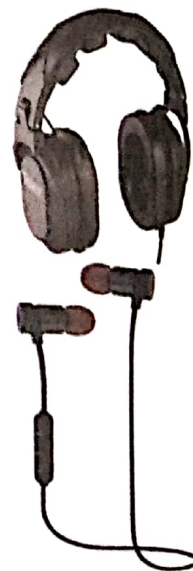


Do You Know ?

Bluetooth speakers are wireless (they do not have wires).

Headphones and Earphones

- ♦ Headphones and earphones are personal speakers that are used to listen to the sound or music without disturbing others.
- ♦ Headphones are larger and we wear them overhead.
- ♦ Earphones are smaller in size. They are stuffed in the ears.
- ♦ Constant use and loud volume may damage our eardrums.



Joystick

- ♦ A joystick is used to play games on a computer.
- ♦ We can control the pointer (player) on the monitor using the joystick.

Web Cam or Web Camera

- ♦ A web camera captures photos and video.
- ♦ It is used for live video chat and video conferencing.

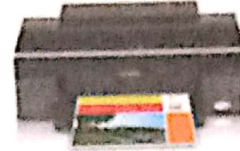


Printer

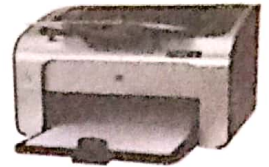
- ♦ Printer helps us to print the work done on the computer on a paper.
- ♦ The printed paper which comes out from the printer is called a printout or hard copy.
- ♦ Printers are of different types such as dot matrix printer, laser printer, inkjet printer etc.
- ♦ Dot matrix printer is slow in printing and makes noise.
- ♦ Laser and inkjet printer are faster in printing and they do not make noise.



Dot matrix printer



Inkjet printer



Laser printer



Fun Zone...

Match each device with its correct function.

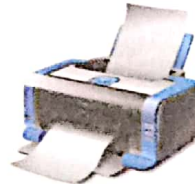
1. Typing 2. Clicking 3. Printing 4. Watching Movie 5. Listening to Music



A



B



C



D



E

Quick Review

Remember it



- ⇒ A computer is made up of many parts.
- ⇒ A monitor shows the work done on a computer and a keyboard is used for typing.
- ⇒ A mouse is used as pointing device and CPU is the brain of a computer.
- ⇒ Speakers, Headphones & earphones help us to listen to the sound and music.
- ⇒ A joystick is used to play games on a computer.
- ⇒ A webcam is used for live video chat. It captures images and video.
- ⇒ A printer prints the work done on a computer on a paper.



Find the words given below in the word grid.

Webcam
Printer
Monitor
CPU
Mouse



R	A	W	A	P	P	S	M
W	E	B	C	A	M	S	O
M	O	N	I	T	O	R	U
A	A	D	P	A	N	A	S
P	R	I	N	T	E	R	E
P	O	W	E	R	A	V	A
U	P	S	A	P	R	A	R
A	D	Q	Z	X	T	H	P
P	A	O	C	P	U	E	R



Exercise



A. Choose the correct answer.

- The _____ is located inside the CPU box.
a) Keyboard ☐ b) Mouse ☐ c) CPU ☐ d) Monitor ☐
- A _____ is used for live video chat on computer.
a) Keyboard ☐ b) Web cam ☐ c) Monitor ☐ d) Joystick ☐
- Constant use of earphones may damage our _____.
a) Brain ☐ b) Computer ☐ c) Eardrums ☐ d) Speakers ☐
- The printed paper that comes out of a printer is called a _____.
a) Printout ☐ b) Copy ☐ c) Paper ☐ d) Print ☐

B. Fill in the blanks:

Headphone, Web camera, Keyboard, Mouse, Monitor

- _____ looks like a TV.
- We type words and numbers using a _____.
- Ball, Optical and Wireless are the types of _____.
- A _____ captures image and video.
- _____ is used to listen to the music without disturbing others.

C. Complete the names of the following parts of a computer.

1. H E D P O E
2. P I N E R
3. W B C A R
4. J O S I K
5. S P A R

D. Help your friends by writing the correct part of the computer.

1. Ravi needs to take the printout of his drawing. _____
2. Anu wants to listen to a song alone. _____
3. Rohit wants to play car-race on the computer. _____
4. Hameed's father needs to do live chat with his friend. _____
5. Neelu wants to click on a picture on the monitor. _____
6. Rajat needs to type a letter to his friend. _____
7. Rinki wants to watch a movie on computer. _____

Teacher's Signature : _____

Teacher's Remark : ☆☆☆☆☆



<https://itstillworks.com/12315431/the-five-main-parts-of-a-computer>
<https://www.informationq.com/about-the-basic-parts-of-a-computer-with-devices/>

Teacher's Corner...

Dear teachers, please show the students actual devices which are available in school or show them the videos of how devices are used.



Supplement-1

Both mouse and keyboard are important input devices that help us to give instructions and insert data into the computer. Let's learn about them in detail.

Mouse

A computer mouse looks like a real mouse. It is attached to the CPU using a wire. It helps us to move the pointer to select items on the computer screen.

Mouse Buttons

A mouse has two buttons- Left button and Right button.

Mouse Scroll

Mouse scroll is located between the left and right mouse buttons. It is used to scroll the pages up and down.

Mouse Pointer

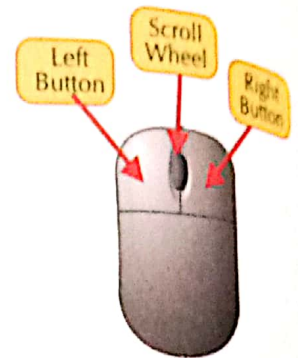
It is a slant arrow on the screen. As we move the mouse, the pointer also moves on the screen in the same direction.

Mouse Pad

A mouse pad is a surface for placing and using a computer mouse.

- Place the mouse on the mouse pad then hold it with your thumb along with the last two fingers.
- Place your first (index) finger on the left button and your second (middle) finger on the right button.

Now, move the mouse on the mouse pad and watch the movement of the cursor pointer on the screen.



Mouse



Types of Mouse Click

Pressing down and releasing the mouse button is called clicking. It is used for pointing and selecting the objects.

- Single-Click:** Single-click means pressing and releasing the left mouse button once. It is used to select an item on the screen.
- Double-Click:** Double-click means pressing and releasing the left mouse button twice (at a short interval). It is used to open an item.

Pressing down and releasing the mouse button is called clicking. It is used for pointing and selecting the objects.

Keyboard

A keyboard has different types of keys, which are used for typing letters, numbers and symbols.

Alphabet Keys

All the letter keys are called the **Alphabet keys**. They are 26 in number, i.e. from 'A' to 'Z'. These keys are used to type letters, words and sentences.

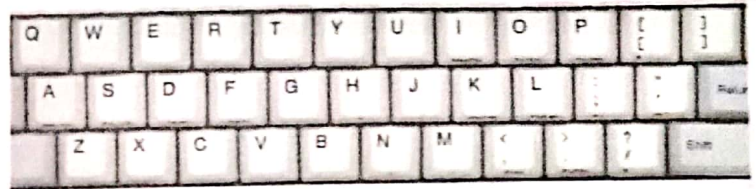
Ex - Type : My name is _____

Press all those keys that spell your name.

Your name will appear on the screen.

Note:

Press the Enter key to move the cursor to the next line.



Spacebar (Key)

This is the longest key on the keyboard. It is used to give blank space between the letters and words.

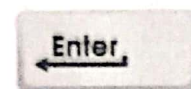


Let's type a sentence : Computer _____ is _____ fun.

After typing each word, press the Spacebar key once to give a space.

Enter Key

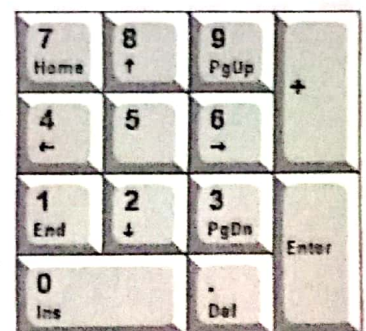
This key is used to bring the cursor to the next line.



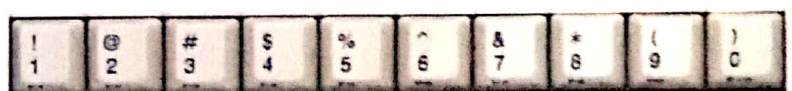
Number Keys

Number keys have numbers (0, 1 ... 9) on them. These are 10 in number, from 0 to 9. We use them to type our roll number, dates, telephone number, etc.

Number keys are either placed above the alphabet keys or at the right side of the keyboard as the **Numeric Keypad**.

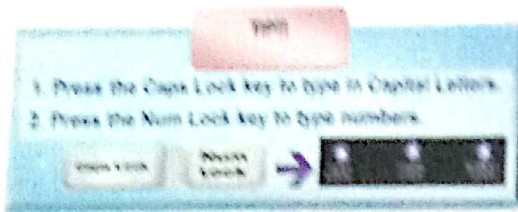


Write your roll number here:



Caps Lock Key

The Caps Lock key is used to type letters in capital. Press Caps Lock key once, the Caps Lock light will turn on.



Note

Lights on the Keyboard should be **ON** to use this in active mode.

Cursor/Arrow Keys

A cursor is a small blinking line on the screen. There are 4 cursor movement keys:



Up Arrow Key : It is used to move the cursor one line up.



Down Arrow Key : It is used to move the cursor to the next line down.



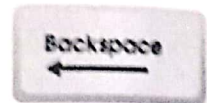
Left Arrow Key : It is used to move the cursor one character on the left.



Right Arrow Key : It is used to move the cursor one character on the right.

Backspace Key

This key erases the letters typed to the left of the cursor.



Example

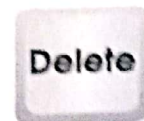
Type:

I LIVEE IN INDIA

Here, cursor is after the word 'INDIA'. Press the left arrow key to bring the cursor after 'LIVEE'. Press the Backspace key to erase the extra 'E' in 'LIVEE'.

Delete Key

This key erases the letters to the right of the cursor.



Example

You want to erase the extra letter 'E' in 'LIVEE' in the following sentence:

I LIVEE IN INDIA

Move the cursor using the left arrow key to the right of the letter 'V'. Press the Delete key. The letter 'E' will be removed.



Ch-1 Supplement-2 ...

Tux Math



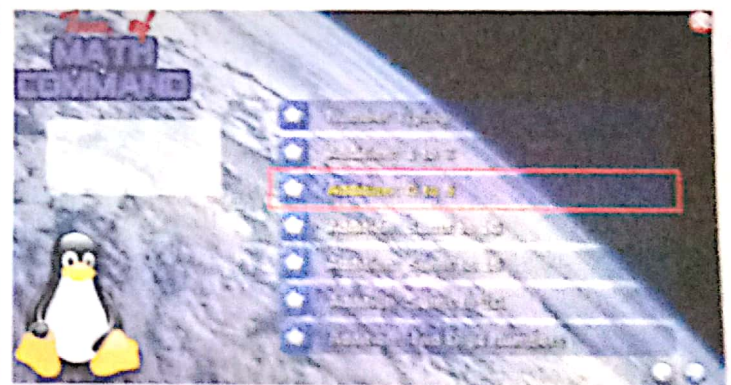
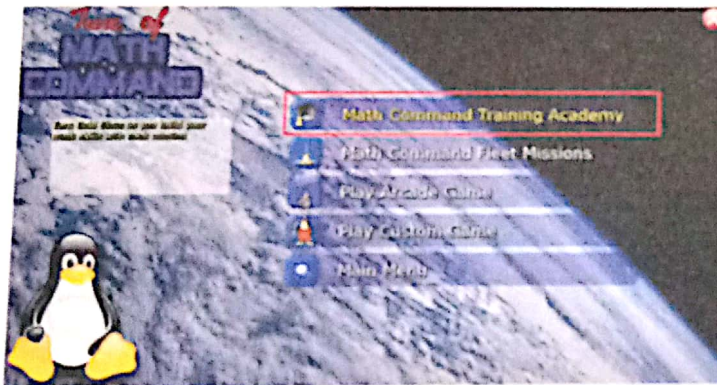
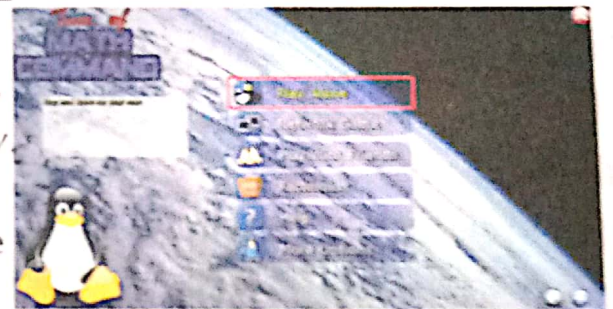
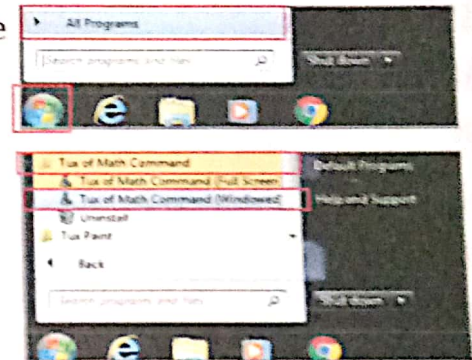
Let us start Tux of Math Command, following are the steps to open it.

1. Click on Start → All Programs.
2. Click on Tux of Math Command folder.
3. Click on Tux of Math Command (Windowed).

OR

Double click on Tux of Math Command icon 

- Now Click on Play alone tab.
- Tux Math window appears as shown below.
- Click on Math Command Training Academy. You can choose any of the option.
- We have selected Addition: 0 to 5. Now the following window appears.



- You will see numbers with addition symbol start falling, calculate the sum, type the answer and press Enter key to strike the numbers.
- Press Esc key to come back to the main menu.

