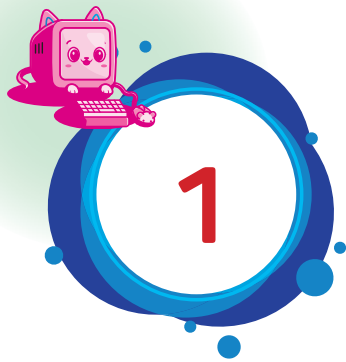


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# LEARNING MORE ABOUT A COMPUTER



## Learning Outcomes

At the end of this chapter, students will be able to:

- ◆ Define the basics of a computer.
- ◆ Identify different types of computers.
- ◆ Differentiate between computer types on the basis of their features.
- ◆ Understand and explain the importance of computers.



Draw a circle around the electronic devices.



Cycle



Computer



Hand juicer



Fan



Air Conditioner



◆ Elucidate the students about electronically operated and manually operated machines.



*Hi! I am Peter. I will introduce you to different kinds of computers.*

We all are aware that computer is a very wonderful machine which is very useful. It makes our daily tasks very easy.



## **What is a Computer?**

A computer is an electronically operated machine that helps us to do various tasks. A computer can complete any task very quickly and efficiently.



*“It’s time to learn about types of computers.”*



## Types of Computer

There are several sizes of computers. We can easily classify computers based on their size and speed as mentioned in the pictures given below:



Desktop



Laptop



Tablet



Palmtop



Super Computer

## Desktop Computer

A Desktop is a type of computer that can be placed easily on a desk. It consists of a monitor attached with a keyboard, mouse and CPU. It can also be referred to as Personal computer or PC. It has a disadvantage that it cannot be charged and must be given a constant power supply.



### Do You Know?

Silico sapiens is the scientific name of a computer.



## Laptop Computer

A Laptop is a type of computer that can be easily placed on a lap to work. The size of a laptop computer is much smaller than a desktop computer. It is highly portable. It is powered by a battery that can be charged using a charger.



### Let me Answer

What is another name for a palmtop computer?



## Tablet Computer

A Tablet computer is a flat, thin computer whose size is smaller than a laptop computer. It has a touchpad instead of a mouse. You can use your finger's motion to work on a tablet. It is powered by a battery that can be recharged by a charger and can be easily replaced. The size of a Tablet computer is slightly bigger than a mobile phone.



## Palmtop Computer

A Palmtop computer is smaller than a laptop. You can easily hold it in one hand and operate with the other. It can also be referred to as a pocket computer.



### Do You Know?

Super computers usually have more than one CPU.

### REMEMBER IT!



First mechanical computer was developed in the year 1822.

## Super Computer

Super Computers are extremely powerful and fast. Its speed is much faster than any of the previously discussed computer types which is why it is used by scientists for high speed computations.



### Let me Answer

*Which type of computers are extremely powerful and fast?*

Computers are very smart machines, but are they even smarter than humans?



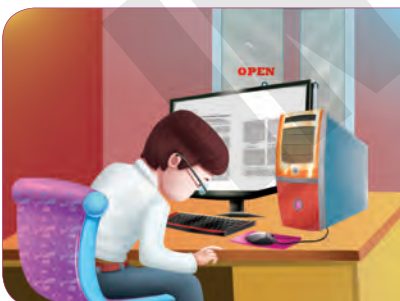
## Man vs Computer



**Man**



**Computer**



A man has to take a break after working for a while.



A computer never gets tired even after working for long hours.



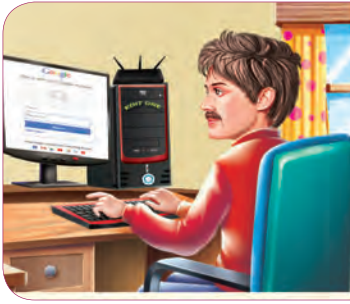
Man is slower than a computer at work.




A computer finishes difficult tasks in seconds.



A man is capable of errors.




A computer is 100% error free.




A man does not always need instructions to perform any task.



A computer always needs a set of instructions to do tasks.

**REMEMBER IT!**  Computers don't require sleep the way humans do. So they can calculate, analyse and perform tasks tirelessly and round the clock.

**Kids' IQ**  Can you arrange computer types according to their sizes?  
Laptop Palmtop Tablet Desktop  
**Ans.** .....

- Let's Recall** 
- A computer is an electronically operated machine.
  - A Desktop computer is also called a Personal Computer or PC.
  - Supercomputers are the fastest computer. They are used by scientists.
  - A Tablet computer has a touchpad display.
  - A Computer works according to the instructions provided by man.



## Upskill Your Intelligence



**A. Identify and write down the types of computers from the image in the space provided below.**



**B. Tick (✓) the correct answers.**

1. A Palmtop computer is also known as .....  
 a. Super computer     b. Pocket computer  
 c. PC
2. A computer is an ..... operated machine.  
 a. electronically     b. manually     c. both

3. A ..... computer is a flat ,thin computer that has a touchpad display.
  - a. Desktop
  - b. Tablet
  - c. Laptop
4. A Laptop is ..... than a desktop computer.
  - a. bigger
  - b. smaller
  - c. equal
5. .... is not a type of computer.
  - a. Work station
  - b. Super computer
  - c. Desktop computer

**C. Write 'T' for True statements and 'F' for False statements.**

1. A man does not get tired and can work for long hours.
2. A PC can be carried anywhere easily.
3. Super computer is the fastest computer.
4. A Desktop computer can be charged using a charger.
5. A Laptop has a touchpad display.

**D. Answer the following questions.**

1. Write a short note on the computer.  
.....
2. What is a tablet computer? Can it be charged using a charger?  
.....
3. Write a comparison between a Desktop computer and a Laptop computer.  
.....

4. Make a table of comparison between a man and a computer.

**Man**

**Computer**

.....	.....
.....	.....
.....	.....



**Critical Thinking**

**A. Solve the jumbled words.**

- ACMHNIE — .....
- OWPER UPLSPY — .....
- SKOTDEP — .....
- MEORUCTP — .....
- APLOPT — .....

**B. Few activities have been listed below. Colour the boxes as per the directions given below.**

Yellow, if a machine does it.

Red, if a man does it.

Purple, if man and computer both can do.



- 1. Works continuously efficiently.
- 2. Gets tired.
- 3. Can talk.
- 4. Painting.




## Team Work

Make a team with your friend and write the uses of different types of computers on a chart paper and paste pictures in ascending order of their sizes.

Chart paper template with four empty boxes for writing and pasting pictures, connected by horizontal dotted lines.

Box 1 (top right): [Empty box]

Box 2 (middle left): [Empty box]

Box 3 (middle right): [Empty box]

Box 4 (bottom left): [Empty box]



# 2

# COMPUTERS AROUND US



## Learning Outcomes

At the end of this chapter, students will be able to

- ◆ Comprehend the various ways in which computers are used around us.
- ◆ Know the uses of computers at different places.
- ◆ Make a list of tasks performed by computers.



## Warm Up

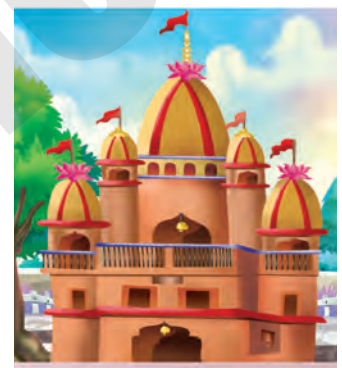
Identify and circle the images where you have seen the use of computers.



Forest



Bank



Temple



Public toilet



Supermarket



Teacher's  
Note

- ◆ Elucidate the children that computers are used at different places for different purposes.

*Hey Friends! Do you know how computers work? Do you remember the places where you have seen a computer?*



In this chapter, we will understand in detail how different types of computers perform different actions at different locations.

There are different machines that do different jobs. For eg. An AC controls the temperature of a given area. A similar machine is the computer. It can complete challenging tasks in a matter of seconds.

Use of computers is incredibly necessary nowadays. Computers are used everywhere like in offices, at shopping centres etc. Different computers can be used by different people for different works. For eg. Software engineers use computers to design new softwares.



## Computers at Office

Have you ever visited your parents' office? If yes, you must have seen someone using a computer there.

Computers are used in offices for the following purposes:

- Typing and printing of work documents.



### Do You Know?

Computers are also used in space explorations.



- Receiving and sending of data and emails.
- Giving powerpoint presentations.
- Keeping the records of the employees.

## **Computers at Homes**

A computer is an inseparable part of our everyday life. We utilise computers at home for:

- Watching movies and playing games.
- Making online bill payment.
- Internet access.
- Sending and receiving emails.



**REMEMBER IT!**



First electronic computer was ENIAC.



## **Computers at Banks**

We keep our money safe in banks. A computer is used in banks for:

- Maintaining records of customers.
- Online banking.
- Doing calculations.

## Computers in Medical Field

Hospitals use computers for:

- Keeping detailed records of visitors and employees.
- Preparing medical reports.
- Diagnosing diseases and performing operations.



## Computers in Shopping Malls

Shopping malls use computers for:

- Maintaining records of employees.
- Keeping record of goods sold and stocked.



## Computers at Railway Stations and Airports

Have you ever seen computers at railway stations or airports? At airports and stations, computers performs following tasks:



- To track and control the activities of aeroplanes and trains.
- To display information about timings.
- To make or cancel reservations and booking and printing of tickets.

## Computers in Schools

In a school, computers are used widely by teachers for:

- Interactive learning apps and virtual classes using smart classrooms.
- Tracking performance of students.
- Maintaining fee bills and receipts.
- Tracking library records.



### Let me Answer

*How are computers useful in schools?*

## Kids' IQ

Can you suggest some more uses of computers?

**Ans.** .....

## Let's Recall

- Different kinds of machines perform different tasks.
- Computers are used almost everywhere like hospitals, banks, schools etc.
- In banks, computers are used to perform calculations.
- In offices, computers are used to maintain records of employees.



**A. Collect and paste the pictures of any five places where computers are used in the space given below:**

Five empty rectangular boxes with dashed orange borders, arranged in two rows: three in the top row and two in the bottom row. A large, light gray watermark "EDITION INTERNATIONAL" is visible diagonally across the page.

**B. Fill in the blanks.**

1. At offices, computers are used for giving ..... presentations.
2. In ....., computers are used for booking and printing tickets.
3. At ....., computers are used to display flight details.

4. In shopping malls, computers are used to maintain records of ..... sold and stocked.
5. In a ....., computers are used by teachers to teach.

**C. Write 'T' for True statements and 'F' for False statements.**

1. A computer can be used to book flight tickets.
2. A computer is not a man-made machine.
3. Computers can be used for virtual classes in schools.
4. A computer can cut the vegetables.
5. A computer cannot be used for printing documents.

**D. Answer the following questions.**

1. Write down the names of five places where computers are used.

.....  
.....

2. List any two uses of computers in schools.

.....  
.....

3. Where do we use computers to maintain health records of patients?

.....

4. Write a short note on uses of computers in airports and railway stations.

.....  
.....



## Critical Thinking

**A. Unscramble the words to answer the following questions correctly.**

1. Computers are used in offices for sending and receiving.

IMLAE — .....

2. Computers are used in schools to track library.

DCOERRS — .....

3. At airports, computers are used for booking and printing.

SEICTKT — .....

4. .... uses computers to design new softwares.

NGEEIENR — .....

**B. Have you ever shopped at a mall? If yes, then paste a computerised bill below:**