Information and Communication Technology

Grade 6

Lesson 1

Importance of Computers

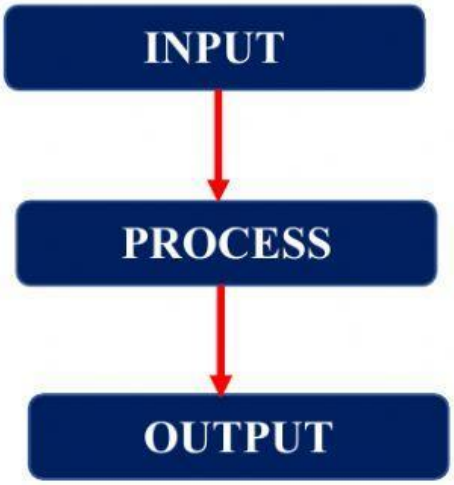
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What is a computer?

- A fast electronic device made to fulfil your needs.
- You can do complex tasks efficiently and accurately with my help.
- At the same time the computer doesn't get tired as you.
- So, the computer can perform tasks for a long time with the same speed.

Functions of a Computer

The basic functions of a computer are entering data, processing them and producing processed data (information).





Picture 1.1. – Image of a computer

Significant Features of a Computer

1. Speed and Efficiency
2. Accuracy
3. Reliability
4. Consistency
5. Storage Capacity
6. Cost
7. Intelligence

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Components of a Computer



Picture 1.2. – of a computer

A computer is a unit which consists of many parts. We can categorize those parts into components according to the nature of the functions they do.

1. Input Devices
2. Output Devices
3. Central Processing Unit
4. Main Memory
5. Storage Devices
6. Communication Devices

Input Devices

The devices which are used to enter data and instructions to computers are called input devices.



Mouse



Keyboard



Web camera



Scanner

Output Devices

The devices which are used to retrieve the data and information are called output devices.



Projector



Printer

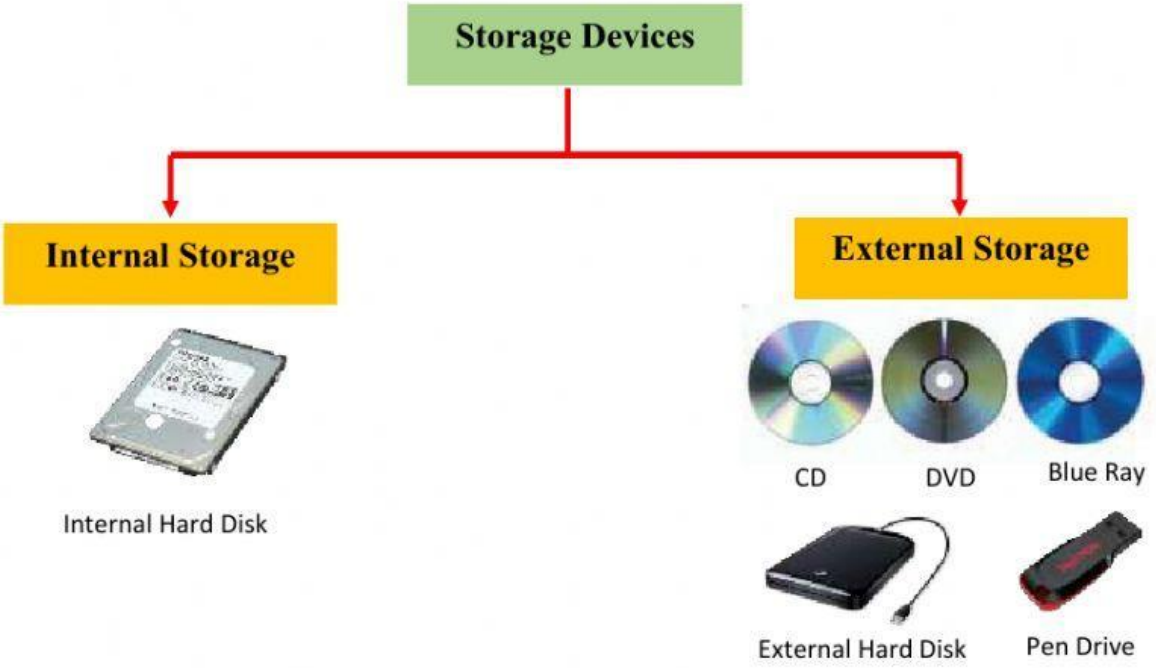


Monitor

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Storage Devices

The devices which are used to store data, information and instructions are called storage devices.



Communication Devices

The devices which are used to exchange the processed data and information are called communication devices.



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Applications of computers in various sectors

Schools

- Computers simplify work and bring effectiveness to office work in the school system.
- Computers are used instead of blackboard and books in the learning process.
- Obtain additional knowledge related to subjects by accessing the internet.

Banking

- Use of Automated Teller Machine (ATM) to deposit and withdraw money.
- Using electronic cards to settle bills when purchasing goods.
- Internet banking and mobile banking are latest trends in the banking system.

Hospitals

- Digital thermometer is an embedded computer device which can be used at
- home.
- Use of computer and embedded computer devices in Intensive Care Unit (ICU).
- Use of computers and computer embedded devices in an operation theatre.

Factories

- Human labor is replaced by computer devices. As a result, production can be
- increased.
- The use of robotic technology is a latest improvement in industrial work. Activities in industrial sector have become easier by that.

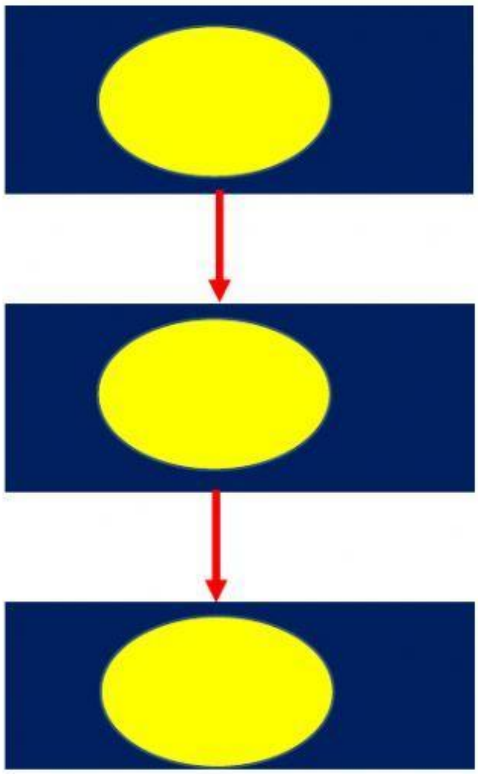
Agriculture

- Embedded computer devices are used in various activities such as harvesting, weeding and water supplying. Thus, the productivity can be increased by minimizing expenditure.

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Answer all the questions.

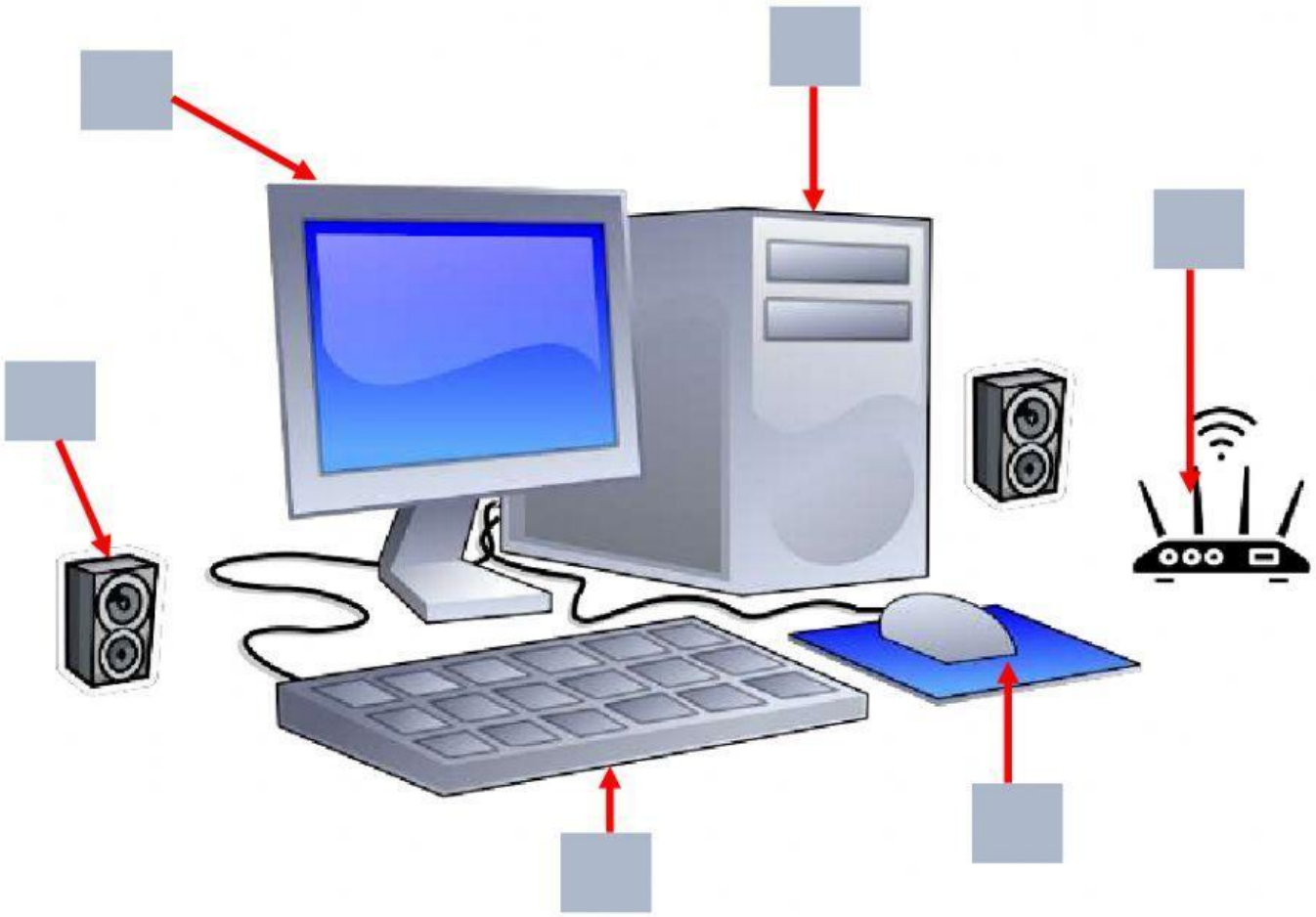
1. Identify the basic functions of the computer and put the correct number into the boxes.



1. PROCESS
2. OUTPUT
3. INPUT

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2. Identify the parts of the below picture of the computer.
Put the correct number in to the boxes, which is related to the correct name.



1. **Display**
2. **Keyboard**
3. **Mouse**
4. **Speaker**
5. **Internet Router**
6. **System Unit**

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Find correct answer/answers and click on it/them.

3. Find **only** Input devices

    I. Mouse
    II. Printer
    III. Web Camera
    IV. Speakers

4. Find **only** Output devices

    I. Mouse
    II. Printer
    III. Computer Monitor/ Display
    IV. Speakers

5. Find **only** Storage devices

    I. Modem
    II. CD
    III. Pen Drive
    IV. Blue Ray

6. Find **only** Communication devices

    I. Router
    II. Network Interface Card- NIC
    III. Modem
    IV. Blue Ray

7. Which is **not** an other name for Computer Main Memory?

    I. Random Access Memory - RAM
    II. Read Only Memory - ROM
    III. Primary Memory

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8. A computer Software is,

   I. We can touch them when using the computer.
   II. A set of programmes designed to execute certain tasks by using a computer.
   III. The basic parts of the computer.

9. Which is **not** a usage of the computers in the school systems.

   I. Obtain additional knowledge related to the subjects.
   II. Use of Automated Teller Machines (ATM)
   III. Use instead of blackboards and books in the learning process.

10. Which is an application of the computer in hospitals.

   I. Internet Banking
   II. Using robotic technology
   III. Using digital thermometer

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