1

Computer: A Smart Machine

LET'S GET STARTED

Computers help us to do many activities. Write any three activities that you do using a computer in the given web chart.

I help you to.....

CALCULATION   TYPING   DRAWING

People use machines to make their work simpler and easier.

A computer is a very important and useful machine. We use a computer to do different kinds of work. It helps us to draw pictures, solve sums, play games, watch movies and listen to music.

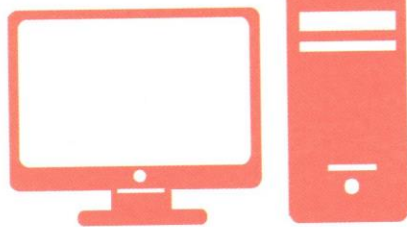## DIFFERENCE BETWEEN COMPUTERS AND HUMANS

Computers have become an important part of our lives. These are smart machines which can do many things and are different from us.

Let us see how computers are different from humans.

DECISIONS

Computer

A computer cannot think or take decisions on its own as it is a machine created by humans.
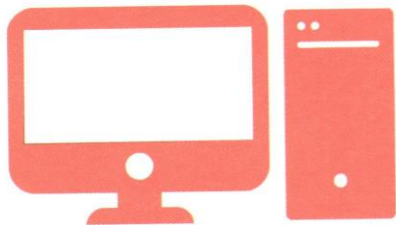
Human

Humans have thinking and decision-making power. They can think and take decisions independently using their own intelligence.
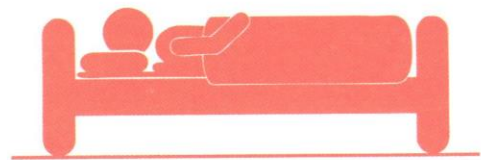
WORK PROCESS

Computer

A computer is a machine and thus can work for longer duration without getting tired.

Human

Humans cannot work for longer duration and need rest after working for some time as they get tired.

WORKING

Computer
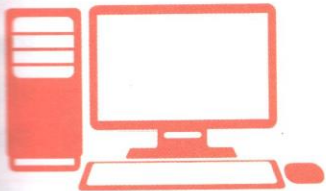
A computer works with the help of a human.

Human

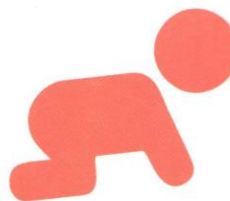Humans work on their own.

FEELINGS

Computer

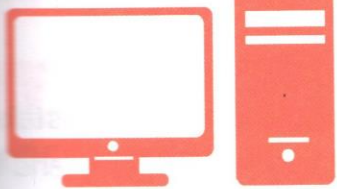A computer does not have feelings.

Human

Humans have feelings and emotions.

TIME

Computer

A computer takes less time to complete any given task.

Human

Humans mostly take more time to complete a given task.

STORAGE

Computer
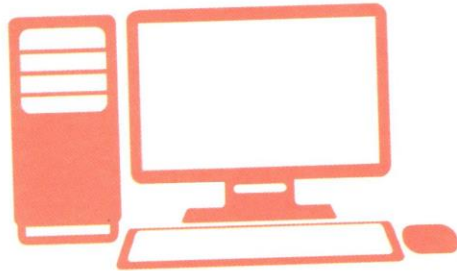
A computer can store a large amount of data. It never forgets the information or data stored in its memory.

Human

Humans cannot store very large amount of data and can easily forget the information.

ACCURACY

Computer

A computer does not make mistakes and provides 100 per cent accurate results while solving any problem.

Human

Humans can make mistakes while solving problems and thus are not reliable for providing 100 per cent accurate results.

LET'S REVIEW

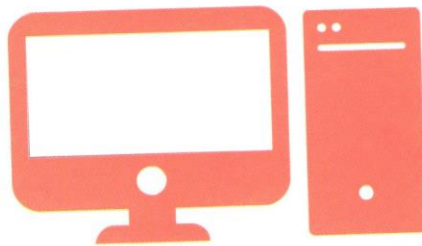**Tick (✓) the actions that computers can do.**

- Solve sums quickly ✓
- Store information ✓
- Feel sad ☐
- Cook food ☐

TYPES OF COMPUTERS

There are different types of computers. These are available in different shapes and sizes. Let us learn more about them.

DESKTOP COMPUTERS

Desktop computers are big in size. These computers are kept on a desk. They cannot easily be carried from one place to another.

LAPTOPS

Laptop computers are smaller than desktop computers. They can be carried around easily.
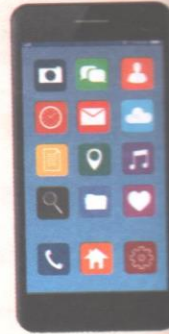
TABLET PCs

Tablet PCs are special type of computers which are very small in size.

They do not have a keypad or mouse but have touchscreen.

SMARTPHONES

Mobile phones that provide computer functionality in addition to basic phone functionality are called **smartphones**. The size of smartphone is smaller than a Tablet PC. It also has a **touchscreen**.

FACT LOUNGE

Laptops, tablets and smartphones run on battery.

FLASHBACK

- Computers are smart machines which can do many things.
- Computers store a large amount of data.
- Computers do not get tired.
- Computers cannot take decisions.
- Computers do not have feelings.
- A desktop computer is heavy and occupies space.
- A laptop is a computer which can be carried easily and used at different places.
- A smartphone and a tablet are the computers that can be carried around easily in the pockets.

TRICKY TERMS

Intelligence : The ability to understand or learn.
Touchscreen : A screen that allows a user to interact.

EXERCISE

Tick (✓) the correct option.

1. Which of the following activities can a computer do?

   (a) Feel happy ☐   (b) Colour pictures ✓   (c) Take decisions ☐

2. Which of the following computers is the smallest?

   (a) Laptop ☐   (b) Tablet ☐   (c) Smartphone ✓

3. Which of the following activities cannot be done on a computer?

   (a) Paint a picture ☐   (b) Cook food ✓   (c) Watch a movie ☐

Fill in the blanks with appropriate words.

1. A computer is a _SMART_ machine.

2. A computer never makes mistakes, it is always _CORRECT_.

3. It is difficult to move a _DESKTOP_ computer from one place to another.

4. A computer cannot take _DECISION_ on its own.

5. A _LAPTOP_ is a computer which can be carried easily from one place to another.

> Decisions, Laptop, Desktop, Smart, Correct

Tick (✓) for the correct statements and cross (✗) for the wrong ones.

1. A computer can solve sums very quickly. ✓

2. Computers sometimes feel angry or sad. ✗

3. A computer makes careless mistakes. ✗

4. A computer does not let us draw pictures. ✗

5. A computer does not get tired. ✓

D. Answer the following questions.

1. List the things that you can do using a computer.
   cannot take decision , calculations , drawing etc

2. Write any two differences between a human and a computer.
   computer cannot take decision and getting tired.

3. Which type of computers can be carried around in our pockets?
   SMART PHONE

4. Look at the picture carefully. Answer in one word each.

   (i) Who is using the computer?
   GIRL

   (ii) Who is using the smartphone?
   BOY

E. Match the signboards to the pictures of a human or a computer that they go with.

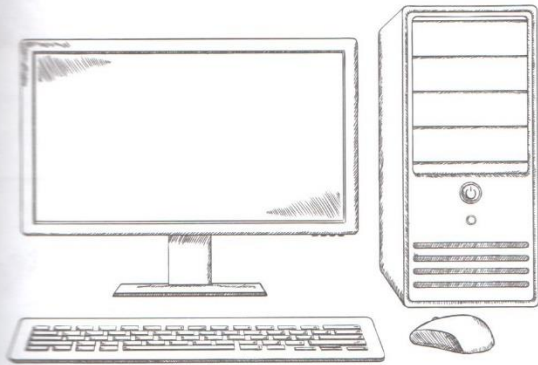Does not make any mistake

Can work very fast

Does not need orders

Can take a decision

FUN TIME

- Colour the smallest computer from the following. *(draw colours)*

LAB ACTIVITY

Visit the computer lab of your school. Ask your teacher about different types of computers that are used there. Note down some differences between them.

PROJECT ZONE

Computers are used at many places around us. Can you think of any two places where computers are not used?

TEACHER'S CORNER

Divide the class into two groups and help the students understand the differences in the working of humans and computers.

COMPUTER-2 **13**