



SAFE COMPUTING AND HAPPINESS

INTERNET USAGE DONT'S

1. Don't give anyone your password & other details as well as any information about your family.
2. Don't talk to strangers on the Internet.
3. Don't agree to meet any of your online friends in person.
4. Don't fill in any form online that asks for details like address or phone number.
5. Don't visit any online chat room without elder's or parent's permission.
6. Don't watch online any stuff that you think your parents won't like.
7. Don't post family and personal pictures without your parents' knowledge.
8. Don't download/install anything on your PC without your parents' permission.
9. If you have any doubts, ask your parents, teachers or elders.
10. If anyone cyberbullies, get in touch with your teachers and parents.

CYBERBULLYING

Cyberbullying is bullying that takes place over digital devices like cell phones, computers, and tablets. Cyberbullying includes sending, posting, or sharing negative, harmful, false, or mean content about someone else.

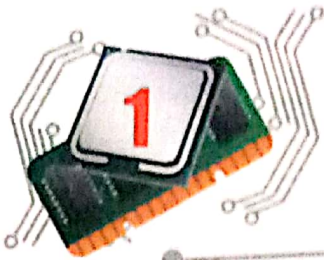
How to keep safe?

- * Don't respond to any emails or messages sent by anyone who cyberbullies you.
- * Don't cyberbully others online. Respect everyone's privacy and rights.
- * Save the messages and screen-shots of the messages as an evidence of cyberbullying.
- * If you are being bullied, inform your elders immediately.

GREAT DREAM

Ten keys to happier living

GIVING	 Do things for others
RELATING	 Connect with people
EXERCISING	 Take care of your body
AWARENESS	 Live life mindfully
TRYING OUT	 Keep learning new things
DIRECTION	 Have goals to look forward to
RESILIENCE	 Find ways to bounce back
EMOTIONS	 Look for what's good
ACCEPTANCE	 Be comfortable with who you are
MEANING	 Be part of something bigger



Computer: A Digital Machine



Dear **teacher**,
We have learnt that
computer is an
amazing machine.
Please tell us about it.

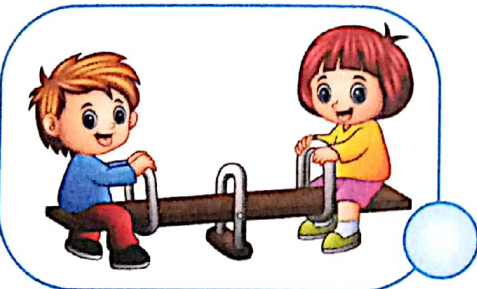
Yes **children**, we
shall learn about
machines as
well as our
friend computer.



Dear children!

Do you know? First, mankind invented wheel. Wheel inspired the invention of machines. Today we have various types of machine around us.

Can you name a few of them?



See-saw is a simple
machine which makes
you happy.



Refrigerator is a machine
that keeps our food fresh.



Your **toy car** is a
tiny machine.

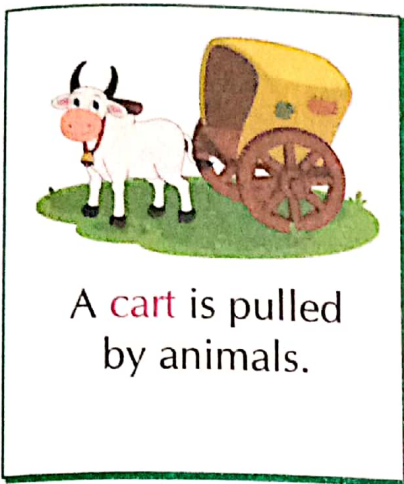


What is a Machine?

- ◆ A machine is a gadget that makes our **work easier**.
- ◆ It makes our **work faster**.
- ◆ A machine **saves** our **time** and **energy**.

Let us see various types of machine and how they help us in our daily life.

Manual Machines

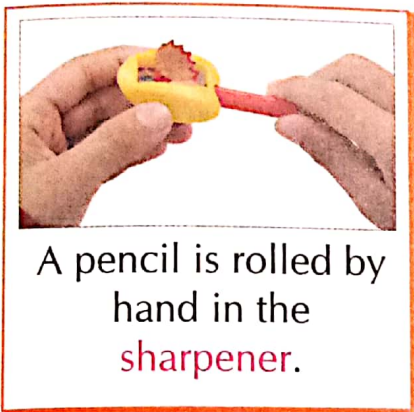


A **cart** is pulled by animals.

Manual machines work with human or animal power.



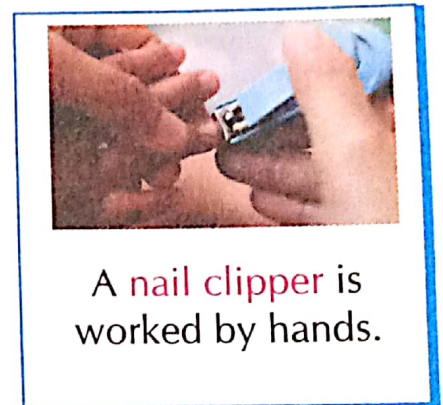
Scissors are worked by hand.



A pencil is rolled by hand in the **sharpener**.



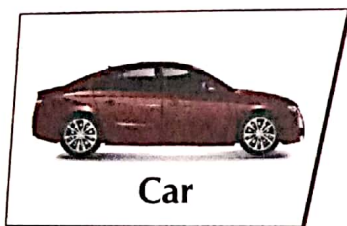
Bow and arrow need both the hands.



A **nail clipper** is worked by hands.

Automatic Machines

Some machines use power to work. Such machines are called automatic machines. Machines get power from **fuel** and **electricity**.



Car

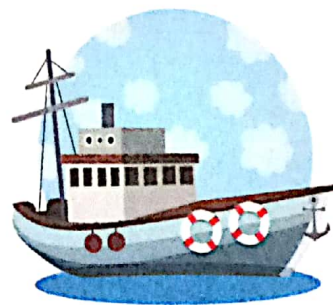
Machines that run on **fuel**.



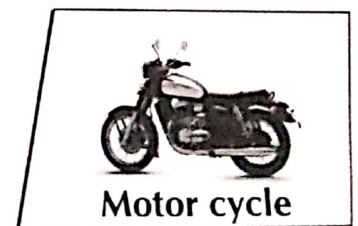
School bus



Helicopter

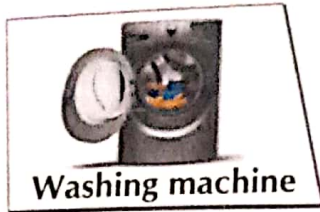
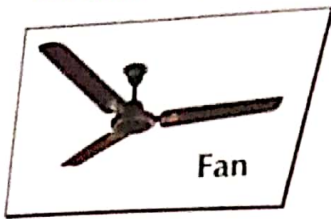


Ship



Motor cycle

- ◆ Car, helicopter, motor cycle, school bus and ship are driven by **fuel**.
- ◆ Fan, refrigerator, television, computer and washing machine work on **electricity**.

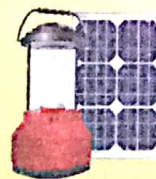


Machines that run on electricity.



Do You Know ?

Some machines get power from batteries. See the examples below.



Solar Lantern



Solar Cooker

Many machines also run on **solar power**. **Solar power comes from the sun**. See the examples below.

Let us see the difference between **Manual** and **Automatic** Machines.

Manual Machine

- ◆ A manual machine works by physical efforts.
- ◆ A manual machine doesn't need any fuel or electricity.
- ◆ It can not work for a long time because it works on man power.

Examples: bicycle, sharpener, cart, see-saw, bow and arrow.

Automatic Machine

- ◆ An automatic machine does not need any physical effort for its functionality.
- ◆ An automatic machine needs the fuel or electricity to work.
- ◆ It can work for a long time continuously.

Examples: motorcycle, electric toaster, fan, computer.

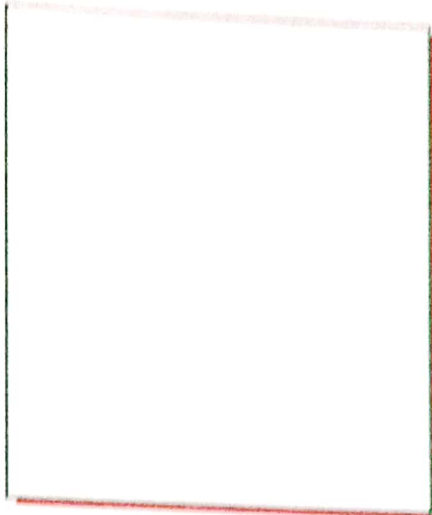


Fun Zone...

Observe various machines used at your home and school. Collect and paste picture of one manual machine, a machine which runs on fuel and a machine which runs on electricity.



Manual machine



Machine runs on fuel



Machine runs on electricity

Computer - An Automatic Digital Machine

Computer is most intelligent of all the electronic machines. How? It performs a variety of tasks for us.

Depending on our needs, there are various types of computer.

Various Types of Computer

- ◆ Some computers are larger in size while other computers are smaller.
- ◆ Some computers are shared by many people. Other computers are for personal use.

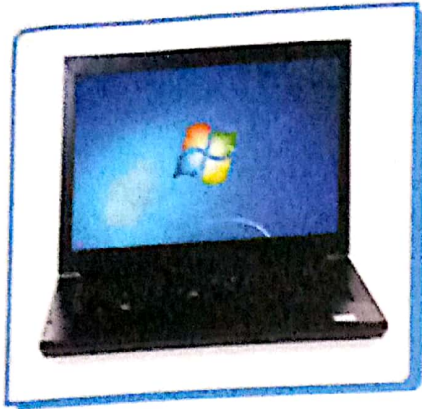


This is a **Desktop** computer.



This is an **All-in-One** computer.

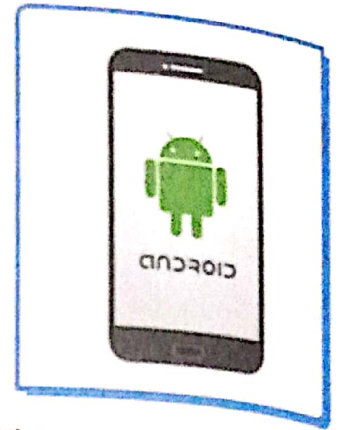
These computers are commonly used at homes and offices.



This is a **Laptop**



This is a **Tablet**



This is a **Smart Phone**

These are for personal use.

Uses of Computers

Children! where have you seen computers? Today they are found all around us.



1. At School



2. At Home



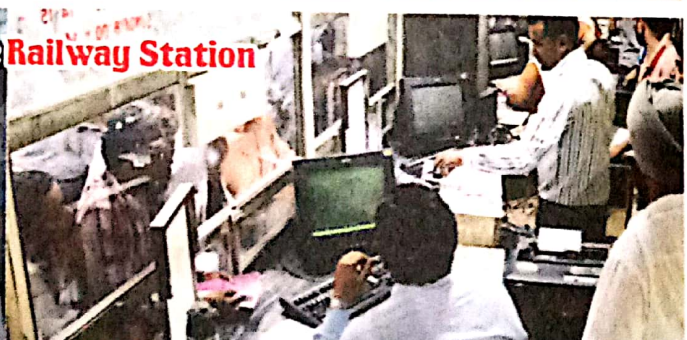
3. At Shopping Mall



4. At Bank & Office



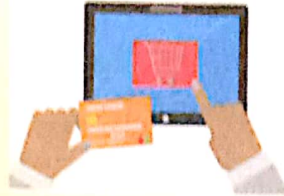
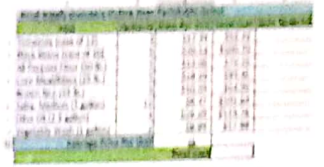
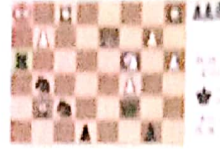
5. At Airport & Railway Station



How Computers Help Us?

On a computer we can do many things like:

1. Watching cartoon movies.
2. Playing games like car racing, chess, etc.
3. Doing mathematical calculations.
4. Typing stories and poems.
5. Drawing pictures like cartoon, greeting cards etc.
6. Listening to music.
7. Ordering food.
8. Planning our holidays.
9. Do online shopping.



Quick Review

Remember it

- ⊖ A machine makes our work easier.
- ⊖ Manual machines work with animal or human power.
- ⊖ Automatic machines run on fuel or electricity.
- ⊖ A computer is an automatic machine.
- ⊖ Computers are of various types like desktop PC, all-in-one computer, laptop, tablet and smart phone.



Exercise



A. Choose the correct answer.

1. See-saw is an example of _____ machine.

a) Manual



b) Automatic



2. A Ship is a machine that runs on _____.

a) Fuel



b) Electricity



3. Refrigerator is an example of _____ machine.

a) Manual



b) Automatic



4. An/a _____ machine can work for a long time continuously.

- a) Manual b) Powerful
c) Human d) Automatic

5. A tablet is a type of _____.

- a) Manual machine b) Computer
c) Desktop d) Smart phone

B. Tick (✓) the correct statement and cross (X) out the wrong one:

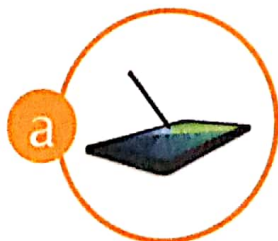
1. Computers are of different sizes.
2. All the computers are for personal use.
3. A smart phone is a type of computer.
4. A laptop is smaller than a tablet.
5. A computer is a machine.

C. Fill in the blanks:

Laptop, Personal, Machine, Sharpener, Electricity

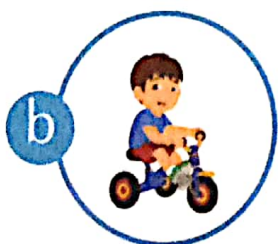
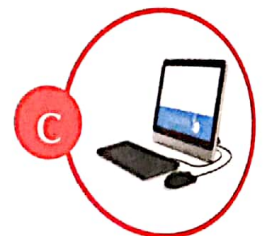
1. A _____ saves our time and energy.
2. A _____ is a manual machine.
3. Washing machine runs on _____.
4. _____ is a type of computer.
5. A smart phone is for _____ use.

D. Match the following:



1 Manual machine

2 Automatic machine

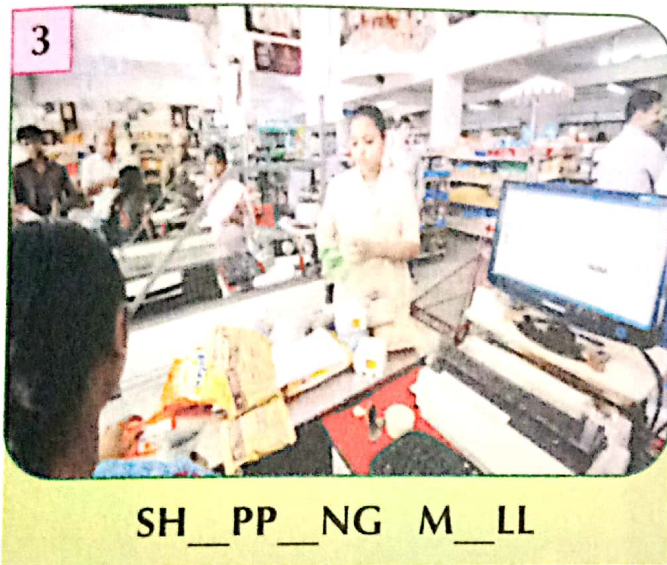
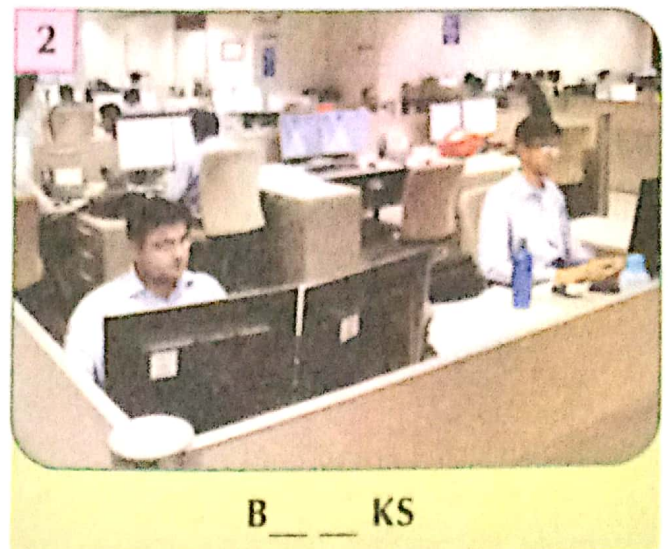


3 Tablet

4 All-in-One PC



E. Complete the places where we see computers:



Teacher's Signature : _____

Teacher's Remark : ☆☆☆☆☆



<https://www.webopedia.com/TERM/C/computer.html>
<https://www.defit.org/computers-what-is-digital-computer/>

Teacher's Corner...

Dear teachers, please focus on why machines are categorised as manual, automatic, electrical, electronic and digital.