

COMPUTER

A WONDER MACHINE

Aligned
with
NEP

Includes
AI

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NEP

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Foreword

Developments in science and technology are affecting our lives more than ever and computers have played a lead role in this. Computers have evolved at a fast pace and are used in almost every sphere of life today. It has hence become imperative for us to know the usage of computers.

The series, **Computer—A Wonder Machine**, for Classes I to VIII, has been thoroughly revised and new topics, relevant in today's time, have been introduced at different levels for the benefit of students. The series is well focused on building a strong foundation and achieving age-appropriate competencies and is designed to:

- ❖ facilitate understanding of fundamental computer operations and practices.
- ❖ develop attitudes that are value and technology-driven.
- ❖ strengthen the ability to use the latest IT environment (MS Windows 11) and latest productivity tools (MS Office 365).
- ❖ enable students to learn about artificial intelligence (AI), its uses and its impact across sectors.
- ❖ inculcate the ability to use communication tools.

The 'Learning by Doing' approach adopted in the books lays down detailed steps to navigate the students effortlessly through the learning process and motivate them to acquire mastery over computers.

Students and teachers will find this series informative and interesting. Constructive criticism and suggestions are welcome and shall be gratefully acknowledged.

AUTHOR

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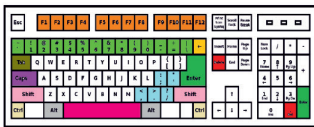
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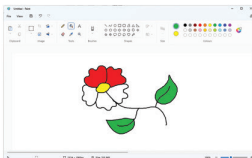
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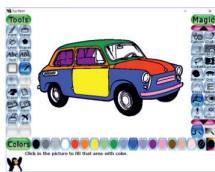
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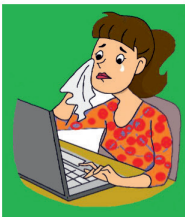
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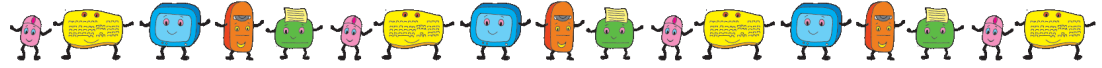
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1

TYPES OF COMPUTERS



Bob, can you tell me about different types of computers?

Yes, Berry. However, before that I would like to tell you who invented the first computer.

Charles Babbage invented the first general computer. Therefore, he is also known as 'Father of Computers'.



Does it mean that all modern-day computers are general computers?

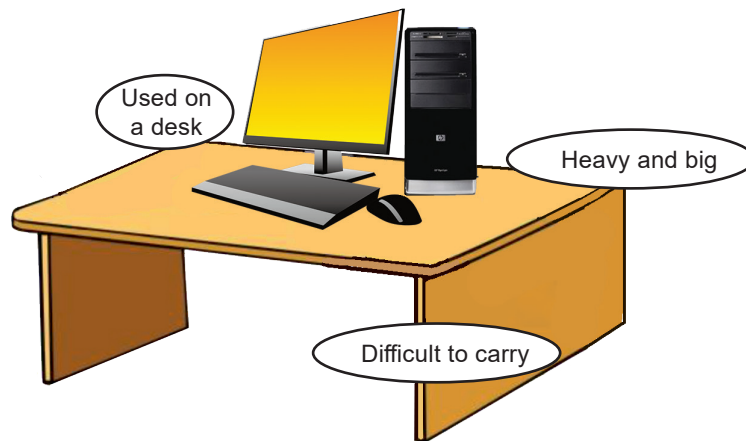
No, all modern-day computers are not general computers. Let me give you an example.



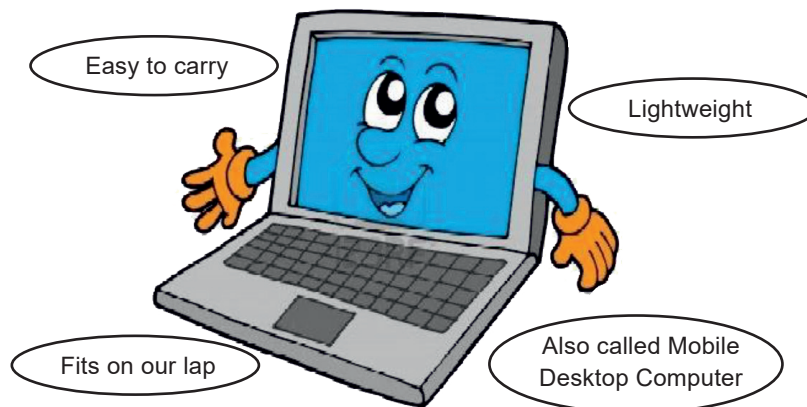
You must have travelled by train. You also know that there are different types of trains and they are used for various purposes. A passenger train carries passengers from one city to another or from one state to another. A goods train carries goods to different locations within a country or a state and local trains or Metro carry passengers from one location to another within a city.



The internal and external design of a train is based on its usage. Similarly, there are many types of computers. They are designed for different purposes and usages.



DESKTOP COMPUTER



LAPTOP

Nowadays, personal computers called notebook, which are similar to a laptop but smaller in size and much lighter, are also available.



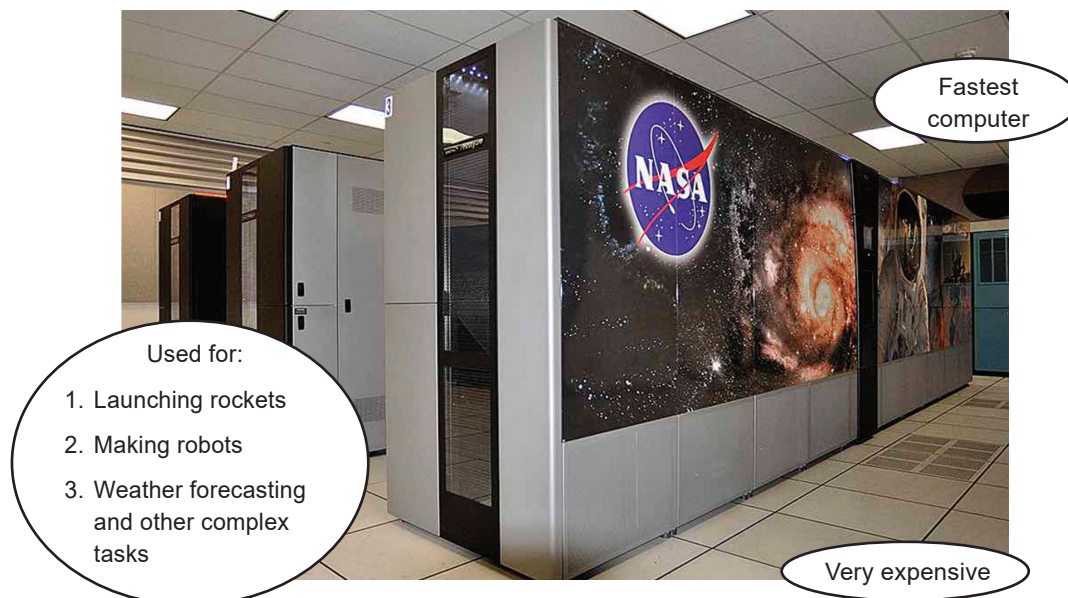
TABLET



SMARTPHONE



MAINFRAME COMPUTER



SUPERCOMPUTER



The weather forecast on TV is due to a supercomputer!

Info Power: Computers should be turned off at night. We should save electricity.

Be Wise Be Nice: Where there is a will, there is a way.

Now you know

- Charles Babbage is known as “Father of Computers”.
- Different types of computers are:
 - Desktop computer
 - Laptop
 - Tablet
 - Smartphone
 - Mainframe computer
 - Supercomputer



1. Rearrange the jumbled words to get the names of different types of computers:

(a) TLEABT _____

(b) LTPPAO _____

(c) MFMAERIAN _____

(d) DKTPSEO _____

(e) SRTMAONPHE _____

2. Tick (✓) the correct option:

(a) Charles Babbage is called the Father of _____.

- (i) Nation
- (ii) World
- (iii) Computers

(b) Laptops are _____ to carry.

- (i) Heavy
- (ii) Difficult
- (iii) Easy

(c) Desktop computers are _____ to carry.

- (i) Easy
- (ii) Difficult
- (iii) Light

(d) Laptops are also known as _____.

- (i) Desktops
- (ii) Notebooks
- (iii) Books

(e) Smartphones have a _____.

- (i) Touchscreen
- (ii) Large size
- (iii) Mouse

3. Write T for true and F for false statements:

- (a) A smartphone can be used for making robots. ☐
- (b) A desktop computer is the fastest computer. ☐
- (c) A laptop can be carried easily. ☐
- (d) A mainframe computer can be used as a supercomputer also. ☐
- (e) Tablet works on batteries. ☐

4. Fill in the blanks:

- (a) Computers kept on tables are called _____.
- (b) _____ can be kept on the lap.
- (c) We can talk on _____.
- (d) _____ are used in industries and scientific labs.
- (e) _____ computers are the fastest.

5. Match the following:



Desktop Computer
Mainframe Computer



Smartphone
Supercomputer



Tablet
Laptop

