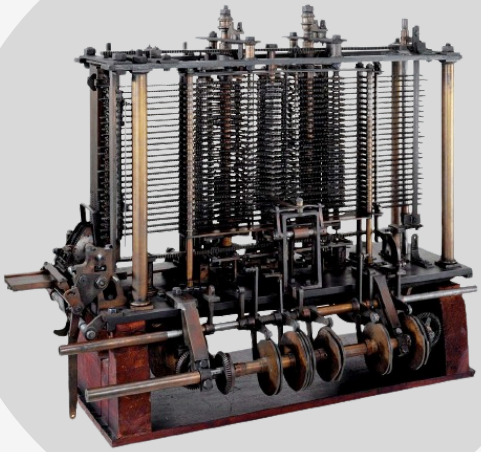
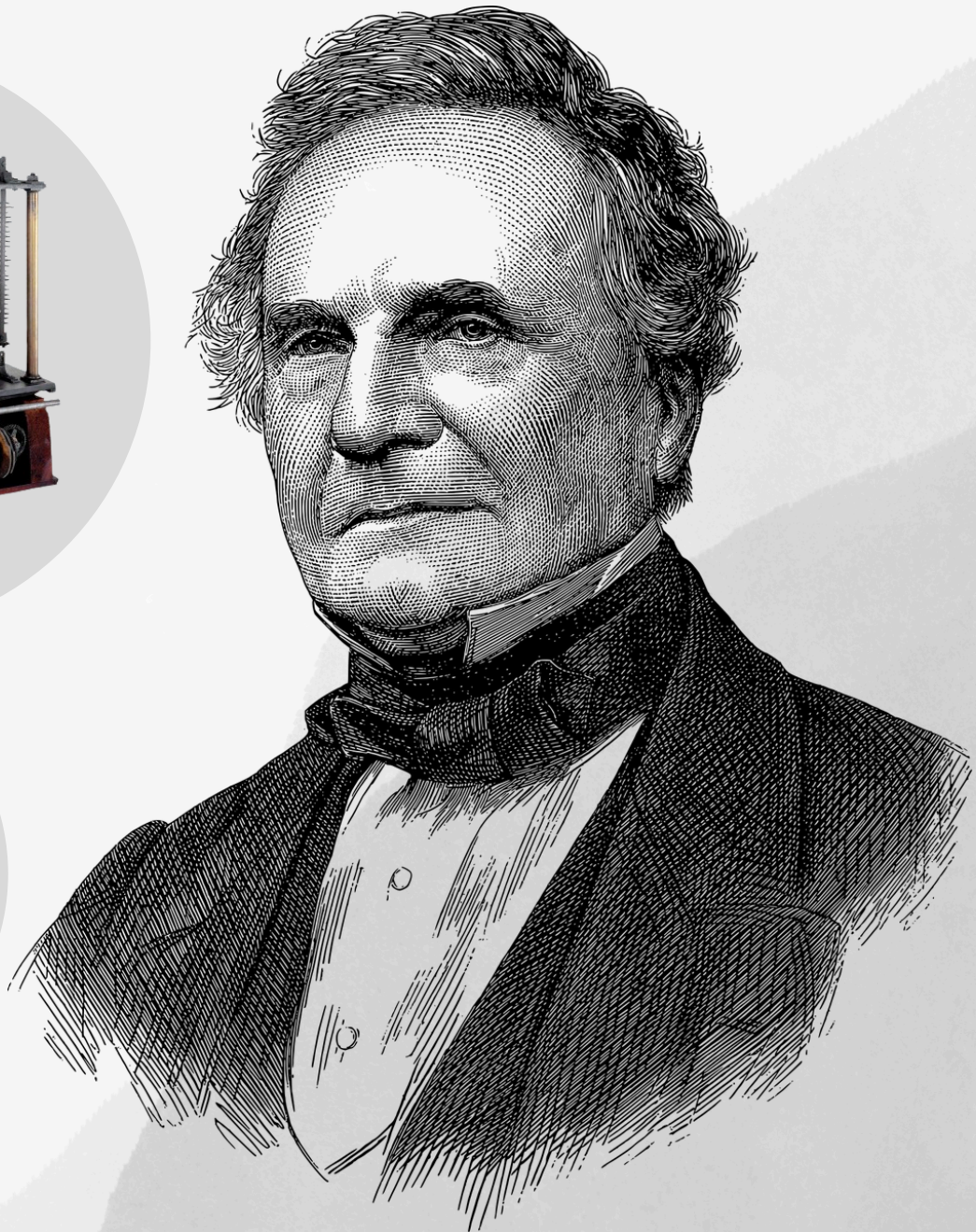
History & Generations

Computer Workbook Class 5





BRAINIAC WORKSHEETS

Inspire, Engage, & Educate Young Minds

Written by

Snehasish Mondal

&

Simran Mondal

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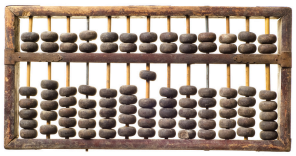
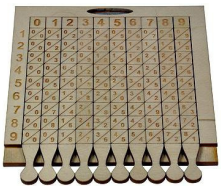
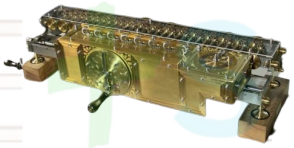
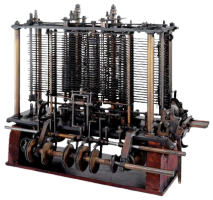
Early Calculating Devices

Identify the following devices and write about them in brief.









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Abbreviations & Expansions

Write the full form of the following:

1. **ENIAC** - _____

_____

2. **UNIVAC** - _____

3. **IBM** - _____

4. **ULSI** - _____

5. **PC-AT** - _____

6. **IC** - _____

7. **AI** - _____

8. **ABACUS** - _____

_____

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FIND ME, If You Can!

Read the clues in the box below and find the answers from the word search.

S	A	S	O	R	P	P	C	A	T	C	B
E	X	M	U	N	I	V	A	C	O	K	Y
L	M	A	R	K	I	H	K	D	W	O	T
K	A	O	O	J	P	X	F	U	G	C	C
T	R	A	N	S	I	S	T	O	R	S	C
A	Z	Q	F	R	E	M	D	W	O	K	J
H	N	U	C	L	Q	B	E	N	I	A	C
L	U	A	M	S	J	D	X	W	E	L	P
G	Q	B	F	Z	D	U	S	I	J	C	L
T	V	A	C	U	U	M	T	U	B	E	S
F	B	M	A	C	I	N	T	O	S	H	Y
Q	O	W	D	L	J	A	F	N	B	R	E

1. The first electro-mechanical computer.
2. The first electronic digital computer.
3. The advanced computer version introduced by IBM in 1984.
4. The main component of first generation computer.
5. The first computer introduced by Apple in 1984.
6. The component that replaced vacuum tubes in second generation computer.
7. The first commercial computer delivered to US Census Bureau in 1951.

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Generations Of Computer

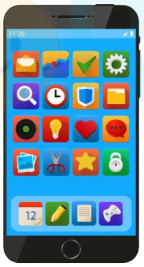
Write serial numbers beside each picture to arrange them in correct order of generations.

Desktop Computer

Personal Computer

Tablet PC

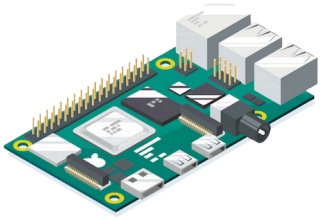
UNIVAC



Smartphone

Laptop

All-in-one PC



Raspberry Pi

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Generations Of Computer

Fill in the blanks to complete the following statements:

1. Transistors were the main component in _____ Generation Computers.

2. ULSI is a part of _____ Generation Computers.

3. The period of 4th Generation Computers was _____ .

4. Transistors were the main component in _____ Generation Computers.

5. The Third Generation Computers were based on Integrated Circuits, also known as _____ .

6. In Fourth Generation Computers thousands of Integrated Circuits were built onto a single _____ .

7. _____ was the main component in First Generation Computers.

8. The first Personal Computer was introduced by IBM in _____ .

9. The development of computer technology took place in 5 distinct phases known as _____.

10. The _____ is a credit card size computer that can be plugged into computer and enables to learn how to program n languages like Scratch and Python.

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Activity Table

Complete the following table:

Generation	Time Period	Technology & Features
1st		
2nd		
3rd		
4th		
5th		

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How Do We Differ?

Differentiate between the following:

Third Generation Computers	Fourth Generation Computers

Analytical Engine	Tabulating Machine

Abacus	Pascaline

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Do As Directed!

A. Read the clues and name the machines.

1. It consisted of a box with movable gears that could add, subtract, multiply and divide the numbers easily. _____

2. Its numbers were marked on a set of rectangular rods.
_____

B. Tick the correct answer and fill in the blank spaces:

1. _____ was the first calculating device.
   Tabulating Machine ☐ Abacus ☐ Napier's Bones ☐

2. _____ is known as the 'Father of Computer'.
   Charles Babbage ☐ Blaise Pascal ☐ Herman Hollerith ☐

3. Abacus was discovered 5000 years ago by the _____ .
   Japanese ☐ Indian ☐ Chinese ☐

4. The _____ generation computers are based on Artificial Intelligence.
   fifth ☐ fourth ☐ seventh ☐

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

1. Integrated Circuits are used in the fourth generation computers. ☐

2. Vacuum tubes were far more superior and faster than transistors. ☐

3. Difference Engine was invented by Herman Hollerith. ☐

4. Charles Babbage is known as the 'Father of Computer'. ☐

D. Answer the following questions:

1. Name the 5 key features that Charles Babbage used in Analytical Engine.
A: .....

.....

2. What is a microprocessor? Which generation of computers used it?
A: .....

.....

3. Who invented the Pascaline? How did it function?
A: .....

.....

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Think And Write!

Topic: Journey of Computers from Vacuum Tubes to Artificial Intelligence.

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Draw And Label Me

Draw a computer and label its parts correctly.

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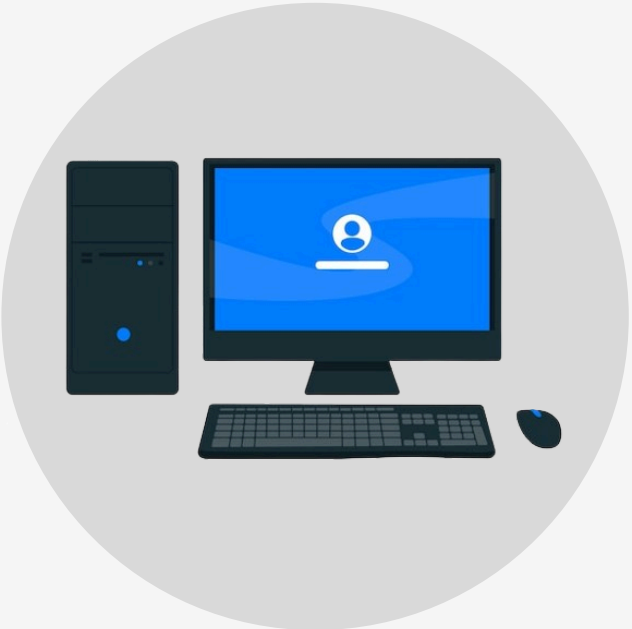
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