

ACTIVITY BOOK

Unit 1

Student Activity Book 1

About reading, you must answer the following questions.

1) Scanning Activity: Multiple Choice Questions

Instruction: Read the questions below and choose the correct answer based on the reading text "Ada Lovelace: The First Computer Programmer." Choose the correct response.

1. What was Ada Lovelace's father's occupation?
 - a. Scientist
 - b. Mathematician
 - c. Poet
 - d. Engineer

2. At what age did Ada meet Charles Babbage?
 - a. 21
 - b. 17
 - c. 25
 - d. 30

3. What was Charles Babbage's machine called?
 - a. The Calculating Engine
 - b. The Difference Machine
 - c. The Analytical Engine
 - d. The Babbage Computer

4. What did Ada translate from French to English?
 - a. A science textbook
 - b. A novel
 - c. An article about Babbage's machine
 - d. A math paper

5. What did Ada Lovelace's notes primarily discuss?
 - a. The history of mathematics
 - b. The design of mechanical gears
 - c. Instructions for the Analytical Engine
 - d. Biography of Charles Babbage

6. What is Ada Lovelace known for being the first to do?
 - a. Build a computer
 - b. Write a computer program
 - c. Discover a mathematical theorem
 - d. Invent a machine

7. What did Ada believe machines could create besides math?
 - a. Buildings
 - b. Medicine
 - c. Music and Art
 - d. Clothing

8. What did people later use Ada's notes for?
 - a. Writing poetry
 - b. Building bridges
 - c. Helping to build modern computers
 - d. Teaching mathematics

9. When is Ada Lovelace Day celebrated?
 - a. First Monday of September
 - b. Last Friday of November
 - c. Second Tuesday of October
 - d. Third Wednesday of June

10. What does Ada's story encourage people to do?
 - a. Learn poetry
 - b. Study history
 - c. Turn dreams into reality

d. Travel the world

2) Timeline Activity: Key Events in Ada Lovelace's Life

Instruction: Using the information from the reading text "Ada Lovelace: The First Computer Programmer," arrange the following events in the order they occurred in Ada Lovelace's life.

1. Ada met Charles Babbage at the age of 17. ()
2. Ada Lovelace Day was established to honor her contributions. ()
3. Ada Lovelace was born in London. ()
4. Ada passed away at the age of 36. ()
5. Ada wrote notes explaining the potential of the Analytical Engine. ()
6. Ada's notes were later used in the development of modern computers. ()
7. Ada wrote what is considered the first computer program. ()
8. Ada translated an article about Babbage's Analytical Engine from French to English. ()