

Computational Thinking

Sr	Questions	Answers Choice
1	Why is problem decomposition important in computational thinking.	A. it is only useful for simple problems. B. It complicates problems by adding more details C. It eliminates the need for solving the problem D. It simplifies problems by breaking them down into smaller, more manageable parts
2	In flowcharts symbol  is used to show a	A. Decision making B. solution C. Test Data D. Verification
3	Which is a graphical representation of an algorithm?	A. Matrix B. Graph C. Flowchart D. Solution
4	Which of the following is a principle of computational thinking?	A. Ignoring problem understanding B. Implementing random solutions C. Problem simplification D. Avoiding solution design
5	Which of the following best describes computational thinking.	A. Breaking down a problem into smaller, manageable parts B. The process of performing mathematical calculation C. Creating hardware solutions for computing D. Writing complex algorithms only
6	Flowchart are used to	A. Identify patterns B. Code a program C. Represent algorithms graphically D. Solve mathematical equations
7	What is the purpose of an oval shape symbol in flowcharting?	A. Start and End B. Decision C. Connector D. Process
8	What is abstraction in computational thinking?	A. Using complex language and jargon to explain problems B. Solving a problem step-by-step without simplification C. Focusing on the most important details and ignoring irrelevant information D. Creating detailed models for real-world problems
9	Pseudocode is	A. A high-level description of an algorithm using plain language B. A type of flowchart C. A programming language D. A debugging tool
10	Algorithms are	A. List of data B. Graphical representations C. Repetitive patterns D. Step-by-step instructions for solving a problem
11	Pattern recognition involves	A. Ignoring repetitive elements B. Breaking problems into smaller pieces C. Finding and using similarities within problem D. Writing detailed algorithms
12	How many properties of computational thinking are available?	A. 4 B. 3 C. 2 D. 1

13	What is the purpose of a parallelogram shape in flowcharting.	A. Decision B. Input /output C. Connector D. start or End
14	Which terms refers to the process of ignoring the detail to focus on the main idea?	A. Decomposition B. algorithm design C. Abstraction D. Decomposition
15	Which of the following best defines computational thinking?	A. An approach that ignores real world applications B. A Problem solving approach that employs systematic , algorothmic and logical thinking C. A technique used exclusively in computer programming D. A method of solving problem using mathematicla alulations only.
16	Which technique has drawn a pictorial representation of athe solution?	A. Prototype B. Pseudo C. Debugging D. Testing
17	What is decomposition is computational thinking?	A. Ignoring unnecessary detail and focusing only on key aspects B. Creatig a set of instruction to follow C. Breaking a complex problem into smaller easier to solve parts D. Identifying pattern and smilarities between problems
18	Which symbol in the flowchart is used to either start or end the flowchart.	A. Process B. Decision C. Connector D. Terminal
19	The diamond symbol represents the	A. Input /output B. Remarks C. Decision making D. Processing
20	Whcih of the following is the first step in problem solving according to computational thinking	A. Writing the solution B. Designing a flowchart C. Understanding the problem D. Selecting a solution
