


Computational Thinking

Sr	Questions	Answers Choice
1	Which symbol in the flowchart is used to either start or end the flowchart.	A. Process B. Decision C. Connector D. Terminal
2	Which of the following is a principle of computational thinking?	A. Ignoring problem understanding B. Implementing random solutions C. Problem simplification D. a Voiding solution design
3	The diamond symbol represents the	A. Input /output B. Remarks C. Decision making D. Processing
4	Breaking down the larger problems into smaller manageable ones and working on them one by one is called.	A. Abstraction B. Algorithm design C. Pattern Recognition D. Decomposition
5	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 detail models for realworld problems
6	Which step in computational thinking involves creating a sequence of steps to solve a problem.	A. Pattern recognition B. Abstraction C. Decomposition D. Algorithmic design
7	Which 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
8	What is the purpose of a parallelogram shape in flowcharting.	A. Decision B. Input /output C. Connector D. start or End
9	What is decomposition in computational thinking?	A. Ignoring unnecessary detail and focusing only on key aspects B. Creating a set of instructions to follow C. Breaking a complex problem into smaller easier to solve parts D. Identifying pattern and similarities between problems
10	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
11	Which of the following is an example of pattern recognition in computational thinking?	A. solving problems without breaking them into smaller parts B. Designing a new algorithm for every problem C. Identifying trends in data to predict future outcomes D. Writing a program in multiple programming languages.
		A. Ignoring repetitive elements B. Breaking problems into smaller

12	Pattern recognition involves	pieces C. Finding and using similarities within problem D. Writing detailed algorithm
13	Which of the following best defines computational thinking?	A. An approach that ignores real world applications B. A Problem solving approach that employs systematic , algoorthmic and logical thinking C. A technique used exclusively in computer programming D. A method of solving problem using mathematicla alulations only.
14	Which of the following best describes compoutational thinking.	A. Breaking down a problem into smaller, manageable parts B. The process of performing mathemaical calculation C. Creating hardware solutions for computin D. Writeing complex algorithms only
15	Flowchart are used to	A. Identify patterns B. Code a program C. Represent algorithms graphcially D. Solve mathematical equations
16	How many properties of computational thinking are availabe?	A. 4 B. 3 C. 2 D. 1
17	In flowcharts symbol  is used to show a	A. Decision making B. solution C. Test Data D. Verification
18	Dry running a flowchart involves	A. Writing the code in a programming language B. Testing the flowchart with sample data C. Converting the flowchart into pseudocode D. Ignoring the flowchart details
19	Which technique has drawn a pictorial representation of athe solution?	A. Prototype B. Pseudo C. Debugging D. Testing
20	Which is a graphical representation of an algorithm?	A. Matrix B. Graph C. Flowchart D. Solution