

## Computational Thinking

Sr	Questions	Answers Choice
1	Dry running a flowchart involves	<p>A. Writing the code in a programming language</p> <p>B. Testing the flowchart with sample data</p> <p>C. Converting the flowchart into pseudocode</p> <p>D. Ignoring the flowchart details</p>
2	Breaking down the larger problems into smaller manageable ones and working on them one by one is called.	<p>A. Abstraction</p> <p>B. Algorithm design</p> <p>C. Pattern Recognition</p> <p>D. Decomposition</p>
3	Why is problem decomposition important in computational thinking.	<p>A. it is only useful for simple problems.</p> <p>B. It complicates problems by adding more details</p> <p>C. It eliminates the need for solving the problem</p> <p>D. It simplifies problems by breaking them down into smaller, more manageable parts</p>
4	Pseudocode is	<p>A. A high level description of an algorithm using plain language</p> <p>B. A type of flowchart</p> <p>C. A programming language</p> <p>D. A debugging tool</p>
5	Which technique has drawn a pictorial representation of the solution?	<p>A. Prototype</p> <p>B. Pseudo</p> <p>C. Debugging</p> <p>D. Testing</p>
6	How many properties of computational thinking are available?	<p>A. 4</p> <p>B. 3</p> <p>C. 2</p> <p>D. 1</p>
7	Which term refers to the process of ignoring the detail to focus on the main idea?	<p>A. Decomposition</p> <p>B. algorithm design</p> <p>C. Abstraction</p> <p>D. Decomposition</p>
8	The diamond symbol represents the	<p>A. Input /output</p> <p>B. Remarks</p> <p>C. Decision making</p> <p>D. Processing</p>
9	Which symbol in the flowchart is used to either start or end the flowchart.	<p>A. Process</p> <p>B. Decision</p> <p>C. Connector</p> <p>D. Terminal</p>
10	Pattern recognition involves	<p>A. Ignoring repetitive elements</p> <p>B. Breaking problems into smaller pieces</p> <p>C. Finding and using similarities within problem</p> <p>D. Writing detailed algorithm</p>
11	Which of the following best describes computational thinking.	<p>A. Breaking down a problem into smaller, manageable parts</p> <p>B. The process of performing mathematical calculation</p> <p>C. Creating hardware solutions for computer</p> <p>D. Writing complex algorithms only</p>
12	Flowchart are used to	<p>A. Identify patterns</p> <p>B. Code a program</p> <p>C. Represent algorithms graphically</p> <p>D. Solve mathematical equations</p>
		<p>A. solving problems without breaking</p>

13	Which of the following is an example of pattern recognition in computational thinking?	<p>them into smaller parts</p> <p>B. Designing a new algorithm for every problem</p> <p>C. Identifying trends in data to predict future outcomes</p> <p>D. Writing a program in multiple programming languages.</p>
14	Algorithms are	<p>A. List of data</p> <p>B. Graphical representations</p> <p>C. Repetitive patterns</p> <p>D. Steps by step instructions for solving a problem</p>
15	Which of the following is the first step in problem solving according to computational thinking?	<p>A. Writing the solution</p> <p>B. Designing a flowchart</p> <p>C. Understanding the problem</p> <p>D. Selecting a solution</p>
16	In flowcharts symbol  is used to show a	<p>A. Decision making</p> <p>B. solution</p> <p>C. Test Data</p> <p>D. Verification</p>
17	Which of the following is a principle of computational thinking?	<p>A. Ignoring problem understanding</p> <p>B. Implementing random solutions</p> <p>C. Problem simplification</p> <p>D. a Voiding solution design</p>
18	What is the purpose of a parallelogram shape in flowcharting.	<p>A. Decision</p> <p>B. Input /output</p> <p>C. Connector</p> <p>D. start or End</p>
19	What is the purpose of an oval shape symbol in flowcharting?	<p>A. Start and End</p> <p>B. Decision</p> <p>C. Connector</p> <p>D. Process</p>
20	What is decomposition in computational thinking?	<p>A. Ignoring unnecessary detail and focusing only on key aspects</p> <p>B. Creating a set of instructions to follow</p> <p>C. Breaking a complex problem into smaller easier to solve parts</p> <p>D. Identifying patterns and similarities between problems</p>