

Problem-Solving Strategy Toolbox Review

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Understanding Advanced Problem-Solving Strategies

Name: _____

Date: _____

Answer the following questions based on what you learned about problem-solving strategies.

1. Which of the following is NOT one of the five key problem-solving strategies?

- A. Draw a Picture
- B. Make a Table
- C. Skip the Problem

2. Describe what the 'Work Backward' strategy involves. Why might it be useful?

3. Wisdom comes from ____, as stated in Proverbs 2:6.

4. Finding a pattern is one of the strategies you can use for problem-solving.

- True False

5. When would you use the 'Guess and Check' strategy?

- A. When you are sure of the answer
- B. When you want to test different solutions
- C. When you don't want to solve the problem

6. Explain how these problem-solving strategies might help you in real life. Give an example.

7. The strategy that helps to visualize complex problems is called ____ a Picture.

8. Making a table helps to organize information systematically.

- True False

9. Which strategy would be best for finding a solution to a problem that has multiple possible answers?

- A. Make a Table
- B. Work Backward
- C. Guess and Check

10. Which problem-solving strategy do you feel most comfortable using? Why?

Answer Key

1. Skip the Problem 2. The 'Work Backward' strategy involves starting from the solution and figuring out how to get there. It can be useful because it allows you to see if your final answer makes sense. 3. Yahweh 4. True 5. When you want to test different solutions 6. These strategies can help in real life by allowing me to approach challenges methodically. For example, if I have to plan a project, I can make a table to organize my tasks. 7. Draw 8. True 9. Guess and Check 10. I feel most comfortable using 'Guess and Check' because it allows me to try different ideas until I find the right one. It makes problem-solving more interactive.