



PLANIT
TEACHERS

Using Deductive Reasoning to Connect the Pieces of a Crime Together

Student Name: _____

Class: _____

Due Date: _____

Introduction

Deductive reasoning is a powerful tool for solving crimes. It involves using logic and evidence to arrive at a conclusion. In this worksheet, you will learn how to apply deductive reasoning to solve a crime scenario.

Objective: By the end of this worksheet, you will be able to analyze evidence, identify patterns, and draw conclusions using deductive reasoning.

Understanding Deductive Reasoning

Deductive reasoning is a type of reasoning that involves drawing conclusions based on evidence and logic.

Types of Deductive Reasoning: Categorical syllogisms and conditional syllogisms.

Example: If all humans are mortal, and Socrates is human, then Socrates is mortal.

Analyzing Evidence

Importance of Evidence: Evidence is crucial in solving crimes. It helps investigators to identify patterns and draw conclusions.

Types of Evidence: Physical evidence, witness statements, and documentary evidence.

Analyze the following evidence and identify the type of evidence:

- A security camera footage of a suspect
- A witness statement describing a suspect
- A fingerprint found at the crime scene

Identifying Patterns

Importance of Identifying Patterns: Identifying patterns helps investigators to connect the pieces of a crime together.

Types of Patterns: Patterns in evidence, patterns in behavior, and patterns in circumstances.

Identify the patterns in the following scenario:

- A series of burglaries in a neighborhood with similar modus operandi
- A suspect with a history of similar crimes
- A crime scene with similar evidence to a previous crime

Drawing Conclusions

Importance of Drawing Conclusions: Drawing conclusions helps investigators to solve the crime.

Types of Conclusions: Conclusions based on evidence, conclusions based on patterns, and conclusions based on logic.

Draw a conclusion based on the following evidence:

- A suspect with a motive and opportunity to commit the crime
- A crime scene with evidence pointing to the suspect
- A witness statement identifying the suspect

Case Study

Case Study: The Zodiac Killer

Background: The Zodiac Killer was a serial killer who terrorized the San Francisco Bay Area in the late 1960s and early 1970s.

Analyze the evidence and identify the patterns in the Zodiac Killer case.

Group Activity

Group Activity: Solve a Crime Scenario

Instructions: Work in groups to analyze the evidence and solve the crime scenario.

Scenario: A murder has taken place in a small town. The police have collected evidence and witness statements. Use deductive reasoning to solve the crime.

Reflection

Reflection Questions:

- What did you learn about deductive reasoning in this worksheet?
- How can you apply deductive reasoning in real-life situations?
- What challenges did you face in solving the crime scenario?

Reflection Activity: Write a short reflection on your learning experience.

Additional Resources

Additional Resources:

- Books on deductive reasoning and crime solving
- Online resources on deductive reasoning and crime solving
- Documentaries on famous crime cases

Activity: Research and list additional resources on deductive reasoning and crime solving.

Conclusion

Conclusion: Deductive reasoning is a powerful tool for solving crimes. By analyzing evidence, identifying patterns, and drawing conclusions, investigators can connect the pieces of a crime together and solve the case.

Final Activity: Solve a final crime scenario using deductive reasoning.