

Name \_\_\_\_\_

## Unlocking Opportunities with Inequalities: Navigating Real-World Challenges

### Multiple Choice Questions

1. What are inequalities used to represent?
  - a) Equal relationships between quantities
  - b) Relationships between quantities that are not necessarily equal
  - c) Linear equations
  - d) Circles
  
2. In which field are inequalities commonly used?
  - a) Medicine
  - b) Cooking
  - c) Engineering
  - d) Painting
  
3. How are inequalities used in budgeting?
  - a) To ensure expenses exceed income
  - b) To distribute resources efficiently
  - c) To set pricing strategies
  - d) To ensure expenses do not exceed income
  
4. What role do inequalities play in decision-making processes?
  - a) They help limit options
  - b) They help evaluate options and make informed choices
  - c) They complicate decision-making
  - d) They have no role in decision-making
  
5. What do inequalities represent in optimization problems?
  - a) Constraints
  - b) Solutions
  - c) Equalities
  - d) Circles

