

Name \_\_\_\_\_

## Unlocking Inequality Puzzles: A Guide to Solving Inequalities

### Multiple Choice Questions

1. What is the purpose of inequalities in mathematics?
  - a) To confuse students
  - b) To express relationships between quantities
  - c) To make equations more difficult
  - d) To hide solutions
  
2. How do inequalities differ from equations?
  - a) They use different symbols
  - b) They are easier to solve
  - c) They have no solutions
  - d) They involve comparisons rather than equality
  
3. What does the symbol ">" represent in an inequality?
  - a) Greater than
  - b) Less than
  - c) Equal to
  - d) Approximately equal to
  
4. What is the first step in solving most inequalities?
  - a) Adding or subtracting
  - b) Multiplying or dividing
  - c) Drawing a picture
  - d) Guessing the answer
  
5. Why is it important to maintain the correct direction of the inequality sign when solving inequalities?
  - a) It's not important
  - b) To confuse people
  - c) To ensure the solution is correct
  - d) It's more fun that way

