1. The Pigeonhole Principle states that:

- A. If n pigeons are placed in m holes, with n > m, then at least one hole must contain two pigeons.
- B. If n pigeons are placed in m holes, with n < m, then at least one hole must be empty.
- C. If n pigeons are placed in m holes, with n > m, then at least one hole must be empty.
- D. If n pigeons are placed in m holes, with n < m, then at least one hole must contain two pigeons.

Answer Key: A