

# 1

## Questions

**1. What unique property is associated with the number one in mathematics?**

- A. It is the only number considered neither prime nor composite
- B. It is the largest single-digit number
- C. It is the only positive number without a multiplicative inverse
- D. It is the basis of all even numbers

**2. What is a correct description of the role of number 1 in modular arithmetic?**

- A. It is the only invertible element under any modulus
- B. It serves as the absolute identity element
- C. It results in zero under addition in any modulus
- D. Multiplying it does not change the equivalence class