

# 1

## Questions

**1. In mathematics, how is the number 1 often referred to?**

- A. The additive identity
- B. The multiplicative identity
- C. The null element
- D. The dividing factor

**2. In set theory, how is the number 1 interpreted in terms of cardinality?**

- A. It indicates a singleton set.
- B. It signifies a set with unknown elements.
- C. It denotes an infinite set.
- D. It represents an empty set.

**3. How does the number 1 function within the realm of prime numbers?**

- A. It is not considered a prime number.
- B. It is used as a reference for all primes.
- C. It is only prime in certain conditions.
- D. It is the smallest prime number.

**4. In probability theory, what does a probability of 1 signify?**

- A. An unpredictable outcome
- B. Approximately half likelihood
- C. An impossible event
- D. A certain event

**5. In statistical terms, what does a correlation coefficient of 1 indicate?**

- A. A random correlation
- B. A perfect positive correlation
- C. A perfect negative correlation
- D. No correlation