- $n(A \cup B) = n(A) + n(B)$
- **$n(A \cup B) = n(A) + n(B) - n(A \cap B)$ (Page 240)**
- $n(A \cup B) = \emptyset$
- None of these

When 3^k is even, then $3^k+3^k+3^k$ is an odd.

- True
- **False**

When 5^k is even, then $5^k+5^k+5^k$ is odd.

- **True**
- False

$5^n - 1$ is divisible by 4 for all positive integer values of n.

- **True**
- False

If r is a positive integer then gcd(r, 5) =

- **r**
- 5
- 0
- None of these

The product of the positive integers from 1 to n is called

- Multiplication
- **n factorial (Page 217)**
- Geometric sequence

The expectation μ for the following table is

x_i	1	3
$f(x_i)$	0.4	0.1

- 0.5
- 3.4
- 0.3
- **0.7**