Sequence:

A sequence is a set of numbers arranged in a specific order, where each number follows a certain rule.

Examples:

Even numbers: 2, 4, 6, 8, 10, …

Odd numbers: 1, 3, 5, 7, 9, …

Multiples of 3: 3, 6, 9, 12, …

1. **Term-to-Term Rule:**

Each term is found by applying a rule to the previous term.

Example: 2, 4, 6, 8, … (Each term is found by adding 2).

2. **Position-to-Term Rule**

A formula is used to find the value of a term using its position. We use the position number (1st, 2nd, 3rd, …) to make a formula.

Example: If the rule is 2 x position, it means:

So:

• 1st position → 2 × 1 = 2

• 2nd position → 2 × 2 = 4

• 3rd position → 2 × 3 = 6

The sequence is: 2, 4, 6, 8, …