# Pattern

## Introduction

- A pattern is a repeated design, shape, number, or arrangement.
- Patterns help us predict what comes next.
- Patterns can be found in numbers, shapes, colors, sounds, and nature.
- There are different types of patterns like growing patterns, repeating patterns, and shrinking patterns.
- Understanding patterns improves observation, thinking, and problem–solving skills.

### **Examples with Solutions**

Example: What comes next: 2, 4, 6, 8, \_\_\_\_

- ✓ The pattern increases by 2
- ✓ Next number = 8 + 2 = 10

#### **Answer:** 10

Example: Find the missing number: 5, 10, \_\_, 20, 25

- ✓ The pattern increases by 5
- ✓ 10 + 5 = 15

**Answer:** 15

Example: What comes next: 🔘 🔘 🔘 🔘 🖉 \_\_

- ✓ The pattern repeats red and blue
- ✓ Next will be 🔘
- Answer: 🔘

Example: What comes next: 100, 90, 80, 70, \_\_\_\_

✓ The pattern decreases by 10

✓ 70 – 10 = 60

**Answer:** 60

Example: Fill in the blank: A, C, E, G, \_\_\_\_

✓ Letters are jumping by 1 letter each time (A, skip B, C, skip D...)

✓ After G, skip H = I

Answer: |

## **Summary Points**

- A pattern is a repeated or regular sequence
- Patterns may increase, decrease, or repeat
- Number patterns can follow addition, subtraction, multiplication, or division rules
- Shape and color patterns repeat in a specific order
- Recognizing patterns helps in logical thinking and predicting the next step