

# Class 9 Mathematics - Predicting What Comes Next: Exploring Sequences and Progressions

Name: \_\_\_\_\_

Date: \_\_\_\_\_

## Medium Worksheet 1

### Questions

1. Find the next three terms: 5, 8, 11, 14, 17, \_\_\_\_, \_\_\_\_, \_\_\_\_
2. Find the common difference of the sequence: 12, 17, 22, 27, ...
3. Find the 15th term of the AP: 4, 7, 10, 13, ...
4. Find the 20th term of the AP: 2, 6, 10, 14, ...
5. Is 61 a term of the sequence: 1, 5, 9, 13, ...?
6. Write the nth term of: 3, 8, 13, 18, ...

### Answer Key

1. 20, 23, 26
2. 5
3. 46
4. 78
5. Yes
6.  $t_n = 3 + (n - 1) \times 5$