

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

Name: _____

Date: _____

Medium Worksheet 4

Questions

1. Find the next three terms: 2, 6, 18, 54, __, __, __
2. Find the common ratio of: 5, 15, 45, 135, ...
3. Find the 6th term of: 3, 9, 27, 81, ...
4. Find the 8th term of: 2, 4, 8, 16, ...
5. Is 243 a term of: 3, 9, 27, 81, ...?
6. Write the next two terms: 1, -2, 4, -8, 16, __, __

Answer Key

1. 162, 486, 1458
2. 3
3. 729
4. 256
5. Yes
6. -32, 64