INTERNATIONAL INDIAN SCHOOL BURAIDAH

Worksheet for the Academic Year 2025-26

CLASS:11   SUBJECT: Mathematics   DATE: 6/07/25

LESSON : SEQUENCES AND SERIES

1. Find the 5th and 9th terms of the sequence 5, 10, 20,

2. Which term of the G. P 3, 6, 12, ……… is 768

3. The first term of a G. P is 1. The sum of third and fifth term is 90. Find the common ratio.

4. The 3rd term of a G. P is 12 and 8th term is 384. Find the 13th term

5. Find three numbers in G. P, whose sum is 26 and product is 216.

6. Insert 3 geometric means between 1 and 256

7. The arithmetic mean between two numbers is 34 and their geometric mean is Find the numbers.

8. The sum of four numbers is G.P. is 60 and the A.M. between first and the last is 18. Find the numbers.

9. If A.M. and G.M. of roots of a quadratic equation are 8 and 5 respectively, then obtain the quadratic equation

10. Find the sum of 50 terms of the sequence :- .7 + .77 + .777 + .7777 + …………………..

11. How many terms of the series $\sqrt{3} + 3 + 3\sqrt{3}$ will make the sum $39 + 13\sqrt{3}$?