



8TH NATIONAL
SCIENCE BEE
2019

Module Guidelines



Mathletics



Introduction

Tap your inner 'nerd' and get ready to be blown away as we put your mind to test! Science Bee'19 presents to you: Mathletics!

Mathletics is a fun competition designed to get your brain the exercise it needs. The event consists of three rounds and each round is designed to assess not only your mathematical skills but also teamwork. By the end we promise to have your brain do single handed pushups. If you really think you have what it takes, you do not want to miss this.



Procedure

Round 1 – Relay Math

The first round will be a written paper-based round. The participants will be offered multiple categories of which they decide from where to start. Each team must complete the category they have chosen before moving onto the next category. Once a category has been submitted the teams will not be allowed to take the paper back and make any changes (any questions missed cannot be filled in later). The teams must manage their time so as to ensure they are able to complete all categories (or maximum possible) in the allotted time. Finishing early does not award extra points. The Questions in this round will be basic math pertaining to categories such as sequences, probability, geometry, etc.

Round 2 – The Decipherer

A puzzle game-based round. If you are a numbers fanatic, you have probably played one of these before. The games will be the likes of Sudoku and ken-ken. Instructions for the puzzles will be available on the question paper. There will be 3 puzzles to complete within

the allotted time. The difficulty will increase from one puzzle to the next. This round will test the participants' ability to reason logically.

Round 3 – Proof it!

Mathematicians are not people who find math easy. They are people who enjoy how hard it is. This round

is designed to test the best of you. This round will also be a written paper-based round.

The questions will require the participants to prove a given statement using Logic and Mathematics. All questions must be completed in the allotted time.



Rules and Regulations

- All teams get to play in all the rounds
- Calculators and other electronic gadgets are not allowed in any of the rounds.
- Round 1 will be 2 hours whereas Round 2 & 3 will be 1 hour.
- Round 1 & 2 will carry equal weightage in your final score whereas round 3 will have greater weightage