

DELHI PUBLIC SCHOOL R K PURAM, NEW DELHI
Presents

THE MATHEMATICAL CRUSADE

An Inter-school Mathematics Contest
18th -19th November 2008

Rules & Details for the Contest

18th November 2008 (Classes XI and XII)

Each school should send a team of six participants. A teacher must accompany every team.

Senior Quiz (Team of 2 participants)
Mathematical Relay (Team of 3 participants)
Surprise Event (Only 1 participant)
Puzzle Hut (All 6 participants of above events)

19th November 2008 (Classes IX and X)

Each school should send a team of five participants. A teacher must accompany every team.

Junior Quiz (Team of 2 participants)
Mental Math (Only 1 participant)
Surprise Event (Team of 2 participants)
Puzzle Hut (All 5 participants of above events)

Registration of teams for the contest on both days will be from **7:30 to 8:30 am**. The competition will begin sharp at **8:30 am**.

For more details and updates of The Mathematical Crusade log on to:
www.mathcrusade.co.nr

Please read on to get to know more about the events....

The Main Quiz

“It is not enough to have a good mind. The main thing is to use it well.”

This is a team event, which will consist of 2 rounds, a written preliminary round followed by a final on-stage round. The final round will test the participants' in depth knowledge of the following topics:

- a. Mathematics concepts (Senior :from class XI and XII level Junior: from class IX and X)
- b. Terminologies and Definitions
- c. Mathematics Trivia
- d. History of Mathematics.
- e. Personalities
- f. Applications of Mathematics to other fields like Biology, Economics etc.

This year, the Quiz returns with tougher nuts to crack and fresh head scratchers for all.

The Crusade Main Quiz is the mother of all math quizzes in the city and is the ultimate test of math trivia & logic. At Quiz, the questions are certain to tingle your senses and entail increase in Google searches and Wikipedia hits for at least a week... but, will that be enough?

This time around, look forward to the new rapid fire round, audio-visual round and other special rounds which are sure to make the Quiz a fulfilling and complete quizzing experience for all.

The winners, apart from being recognized and saluted "BY THE BEST AS THE BEST" math quizzers in the country, walk away with a reputed trophy and prizes. Also, there are exciting audience prizes up for grabs

Event Format

Written prelims followed by the grand final.

Teams can be of a maximum size of 2.

Team members can be from different classes.

Eligibility

Day 1: Open for classes XI and XII students only

Day 2: Open for classes IX and X students only

Mathematical Relay

“God does not care about our mathematical difficulties. He integrates empirically.”

-Albert Einstein

This is a team event, which will consist of 1 written round. Each participant will be given a limited time period to solve the given problem set after which the second team member will work on the same set and can even correct the answers of his predecessor. Then the third team member can make his attempt.

The final result depends on the team's net performance.

Galileo is oft quoted as having said, "Mathematics is the language with which God has written the universe."

All engineers, regardless of their branch or location, speak that very language.

Mathematical Relay are all about exploring mathematics and testing the participant's ingenuity and creativity at solving problems. Mathematics has always been considered the sacred pattern which describes all of the wonders of nature. We hope to carry on that tradition and invite you to take part in these events and enjoy "The Queen of the Sciences".

To cater to the hardcore mathematician in you we present the Mathematical Relay Contest.

Event Format

Will consist of only 1 round.

Teams can be of a maximum/minimum size of 3.

Team members can be from different classes.

Eligibility

Day 1: Open for classes XI and XII students only

Day 2: N/A

Surprise Event

Everything existing in the Universe is the fruit of chance and necessity.

Can you decode it???

Event Format

Will consist of only 1 round.

Day 1: One participant only.

Day 2: Teams can be of a maximum size of 2.

Team members can be from different classes.

Eligibility

Day 1: Open for classes XI and XII students only

Day 2: Open for classes IX and X students only

Mental Ability

I think, therefore I am.

This is an individual event, which will consist of 1 round. Each participant will be given a problem set which has to be solved by him/her mentally. The use of pens or paper will not be allowed in this event.

Thought multiplying 6 digit numbers in your mind was humanly possible? Or finding the cube root of an 8 digit number? (Don't worry..it won't be this tough)

The Mental Ability Event will test classic mathematical shortcuts using techniques developed by the ancient Indians (Vedic Mathematics), Jakow Trachtenburg etc. with a high speed competition based on your techniques.

Event Format

Will consist of only one round.

One participant only.

Eligibility

Day 1: NA

Day 2: Open for classes IX and X students only

Puzzle Hut

We, not I

In this event, a list of puzzles will be given to the school team at the time of registration. The participants will submit their attempt at the end of the day. The participants who are not involved in their event at any point of time shall solve the puzzles

Do you have an appetite for brain teasers?

Does game theory/graph theory intrigue you?

If your answer is "Yes" to any of the above, then Puzzle Hut is the place to be!

Puzzle Hut is a team event and would feature a large variety of hands-on (mechanical) and on-paper puzzles. This competition over the course of 3-4 hours which will feature many logical puzzles and challenges. The puzzle games can be of different types and varying difficulties as you go through the question paper.

Event Format

Will consist of only 1 round.

The school team has to perform this task as a unit and make their school reach the zenith.

Day 1: The school team.

Day 2: The school team

Eligibility

Day 1: Open for classes XI and XII students only

Day 2: Open for classes IX and X students only

You can have a look at the schedule for Day I and Day II respectively

DAY 1

Time\Venue	Audio Visual Hall	Blossom's Basement	Math Resource Center	OAT	AVH , etc.
07:30 - 08:00	Registration				
08:00 - 08:30					
08:30 - 09:00	Inauguration (AVH)				
09:00 - 09:30		Quiz Prelims	Surprise Event		Puzzle Hut
09:30 - 10:00					
10:00 - 10:30	Snacks				
10:30 - 11:00	Quiz Finals		Mathematical Relay		
11:00 - 11:30					
11:30 - 12:15					
12:15 - 1:00	Prize Distribution (AVH)				

DAY 2

Time\Venue	Audio Visual Hall	Blossom's Basement	Math Resource Center	OAT	AVH ,etc.
07:30 - 08:00	Registration				
08:00 - 08:30					
08:30 - 09:00	Inauguration (AVH)				
09:00 - 09:30		Quiz Prelims	Surprise Event		Puzzle Hut
09:30 - 10:00					
10:00 - 10:30	Snacks				
10:30 - 11:00	Quiz Finals		Mental Math		
11:00 - 11:30					
11:30 - 12:15					
12:15 - 1:00	Prize Distribution (AVH)				