

Dear students

Aryabhata Ganit Challenge is regarding the ability to reason logically and present arguments in honest and convincing ways. It is the skill that is becoming increasingly important in today's world. In mathematics, students learn that, with proper reasoning and assumptions, they can arrive at results that they can fully trust to be true in a wide variety of real-life contexts. While applying mathematics in daily life students develop the competencies required for mathematisation. During the process of mathematisation students recognize and identify opportunities to use mathematics and then provide mathematical structure to a problem presented in some contextualized form. It is important that students apply mathematical concepts, facts, procedures and reasoning to solve mathematically formulated problems to obtain mathematical conclusions. Students should also be able to reflect upon mathematical solutions, results or conclusions and interpret them in the context of the real-life problem..

To promote competencies among students through joyful assessment, a Ganit Challenge is being conducted by CBSE. The Computer Based Test will mainly focus on the extent to which children are able to apply mathematics to their daily life. The feedback from the performance of the test will help the Board to handhold the schools and children in application of mathematics in daily life .

The details of the proposed test are as under: Eligibility:

First stage: All students of class VIII-X in CBSE affiliated schools.

Second stage: Top three students from each affiliated school registered for the first stage.

Areas of Assessment:

A. Application of Mathematics in daily life (20 marks)

1. Change and relationships 2. Space and Shape 3. Quantity 4. Uncertainty and data

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B. Joy of Mathematics Learning (20 marks)

1. Puzzles 2. History of Mathematics 3. Current affairs in Mathematics 4.

Mathematics all around us

C. Mathematical ability (20 marks) :

1. Numerical Ability 2. Reasoning 3. Spatial Ability

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