"MATHEMATICAL OLYMPIAD PROBLEMS FOR SPECIALIZED PRIMARY SCHOOL EDUCATION"

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Annotation. This article highlights knowledge related to Olympiad problems in specialized primary school students, stages of Olympiad preparation, and teaching methodologies in specialized classes.

Key words: Olympiad, Olympiad problems, classes, methodology, stages of teaching, examples and problems.

The process of teaching mathematics in specialized primary school classes differs from regular lessons, as the main objective in these classes is to develop students' logical thinking, analytical skills, and creative approach. Therefore, Olympiad problems play an important role in the learning process. Olympiad problems are generally more complex than standard textbook exercises, as they require students to think deeply, find multiple solution strategies, and draw logical conclusions. Such problems enhance students' intellectual potential.

Practical Applications of Olympiad Problems

General Information: The main purpose of practical guides is to help students understand Olympiad problems. These guides simplify and speed up the problem-solving process.

Role in Preparation: By using practical guides during the preparation process, students can develop their skills in analyzing and solving problems. They also enhance independent thinking when working with problems.

Importance and Benefits: The key importance of practical guides is to provide students with the opportunity to find solutions in real-life situations while preparing for Olympiad problems. This strengthens their technical and logical thinking skills.

Distinctive Features of Olympiad Problems

The uniqueness of each Olympiad problem:	Developing thinking skills through problems:	The role in the education system of Uzbekistan:
Olympiad problems are related to specific topics, and solving them requires special thinking and logical analysis. Each problem has its own unique challenge and method of solution.	Olympiad problems develop students' analytical thinking, problem-solving abilities, and creative approaches. Through these problems, young learners acquire independent thinking skills. :	Olympiad problems play an important role in the educational process. By organizing them, it is possible to improve students' practical knowledge and problem-solving skills. Moreover, they contribute to the development of the intellectual potential of scientists and specialists in our country.

The teaching of mathematics in specialized primary school classes is organized in a deeper and more purposeful way compared to regular classes. In this process, the main focus is on developing students' logical thinking, teaching them to analyze independently, and forming a creative approach. Therefore, Olympiad problems are widely used in lessons.

Olympiad problems are more complex than ordinary exercises, as they require students not only to perform calculations but also to think deeply. Such problems may have several solution methods, which encourages students to compare different approaches and choose the most appropriate solution. As a result, important skills such as logical thinking, analysis, and drawing conclusions are developed in students. In addition, Olympiad problems increase students' interest in mathematics and encourage them to engage in independent exploration. While solving complex tasks, students also develop qualities such as patience, attention, and accuracy.

In the teaching process, the teacher uses various methods. These include creating problem situations, asking logical questions, organizing group work, and jointly analyzing non-standard problems. These methods ensure active participation of students in the lesson and broaden their thinking abilities.

Furthermore, the use of Olympiad problems in the educational process helps students develop problem-solving strategies that go beyond standard algorithms. They learn to approach tasks from different perspectives and to justify their reasoning clearly and logically. This contributes to the formation of a strong mathematical foundation at an early stage of education.

Moreover, such tasks play an important role in developing students' independence in learning. When students are faced with challenging problems, they are encouraged to search for solutions on their own, test different ideas, and verify their answers. This process strengthens critical thinking and improves cognitive flexibility.

Another important aspect is that Olympiad-based learning creates a more engaging and motivating classroom environment. Students become more active participants in the lesson, and their curiosity towards mathematics increases significantly. This, in turn, supports long-term academic success and prepares them for higher-level competitions and studies.

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