ISSN NO: 2770-2367
Date of Publication: 30-05-2022

The Importance of Mathematical Game and Methods in the Formation of Mathematical Concepts in Primary Schools

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Abstract: In the following points, we will talk about the application of some of the interactive methods used in primary education practice in the teaching of mathematics.

Keywords: Mathematics, interactive method, Venn diagram method, Cluster method.

At present, special attention is paid in our country to the education and upbringing of young people. Education has always been the basis of social development. Because man is at the center of all relationships in society. The revolution in science, technology and information has turned man and his scientific and educational potential into a decisive factor in socio-economic development. Ensuring sustainable economic growth, a worthy place in the international division of labor, and ensuring the competitiveness of the national economy depend in many ways on the knowledge, skills, and ability of the workforce to function. In order to achieve the great goals, we need to achieve in the future, we must first train highly qualified, modern professionals.

That's why we need primary education teachers to provide the perfect modern education to their early owners. In order to teach in accordance with the requirements of the modern era, we must teach using interactive, sophisticated methods. One of the most important requirements for the organization of modern education is to achieve high results in a short time without spending too much mental and physical effort. It is up to the teacher to provide students with specific theoretical knowledge in a short period of time, to develop their skills and competencies in a particular activity, as well as to monitor the activities of students, assess the level of knowledge, skills and abilities acquired by them. requires high pedagogical skills and a new approach to the educational process.

We can also conduct math lessons for our elementary grades based on mathematical methods. Solving examples, problems, and assignments using a variety of methods will increase students' interest in the profession. By understanding the nature of these issues, students will develop the qualities of creativity, entrepreneurship, diligence, initiative and thrift. Appropriate use of mathematical methods in mathematics lessons provides ample opportunities for students to develop logical thinking and a culture of calculation. . This is based on the fact that, firstly, the introduction of many basic methods in elementary mathematics lessons provides a visual and interesting presentation, the content and sequence of teaching, and secondly, the concepts, rules and their observations, exercises and their application in visual demonstration based on examples, and thirdly, exercises and examples and in solving them, the necessary opportunities and conditions arise for students to increase their interest in science.

Therefore, it is important to solve interesting examples and problems based on different mathematical methods in primary school mathematics lessons, to develop ways to develop interest in science through the organization of various games and to study ways to apply them on the basis of modern pedagogical technologies. Interesting math games, math games, puzzles, geometric problems and exercises, problem arithmetic problems, humor problems, and riddles in mathematical context can be used as a tool to shape the mathematical thinking of elementary school students. Mathematical games help to enrich students' knowledge and increase their mental activity.

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Mathematical games and other terms have their own characteristics, in which the conditions that make students think, their curiosity helps to develop students' intellectual and creative abilities. Exciting math games are a powerful tool for developing students' thinking, helping them to develop mentally and emotionally. Spatial imagination, goal-oriented and goal-oriented mathematical thinking, independent search and finding ways to solve practical problems are all required to successfully master mathematics together. As the child steps on the threshold of school, he does not lose interest in himself, he resents the game as before. Even interesting topics can stimulate children's activity and develop their thinking.

One of the most effective ways to offer to work in a group is to encourage questions and answers on the topic, and an even more effective way is to encourage independent questioning on the topic. If the groups are given the task of asking questions on the topic, creating examples and problems and inviting them to the class, the student will pay more attention to the lesson, his thoughts will be aroused, if they ask questions and know the correct answer. If so, children will be more attentive in the classroom, learning to analyze the quality of the questions asked. The cluster method also helps students to think freely and openly about voluntary topics and to express personal opinions. It can be used with students individually or in groups. For example, the "Venn diagram" method, which can be used in mathematics lessons and is related to mathematics, also has a good effect.

Ven Diagram" Strategy (Method)

This strategy focuses on developing students' analytical approach to the topic and their ability to synthesize the general essence of the topic based on individual sections. The strategy is based on the formation of small groups. The board is divided into 4 equal parts and a diagram is drawn for each piece.

The strategy helps to make a comparative analysis of closely related theoretical knowledge, data, or evidence acquired by students. It is more effective to use this strategy to organize the final lessons on a particular section or chapter.

The steps to implement the strategy include:

-class students are divided into 4 groups;
- Draw a diagram on the board, reflecting the essence of the task;
-each group is given separate tasks on the topic;
-After the tasks are completed, leaders are selected from among the team members;
-leaders summarize the ideas expressed by the group members and fill in the diagram on the board.

Thus, the methods for math lessons are important so that our lessons are understandable and our students do not get bored.

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ISSN NO: 2770-2367
Date of Publication: 30-05-2022

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