

AN ANALYSIS OF THE INTEGRATION OF FAIRY TALES AND MATHEMATICS FOR ELEMENTARY SCHOOL STUDENTS

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Abstract: This article discusses the methods and results of explaining mathematics to primary school students through fairy tales, the formation of mathematical knowledge and skills through fairy tale problems, and the successful application of this knowledge in everyday life, the importance of mathematical fairy tales in children's lives. The analysis of the integration of fairy tales and mathematics for primary school students is discussed.

Keywords: mathematical fairy tales, mathematics, problems, characters, numbers, geometric figures, heroes.

Today, as in all fields, great reforms are being implemented in the field of education. In the new Uzbekistan, the development of education is being approached as a priority source of development. The President of the Republic of Uzbekistan Sh.M. Mirziyoyev, pointing out the tasks aimed at the further development of public education, said: "In order to increase the knowledge and level of not only young people, but also members of our society as a whole, first of all, knowledge and high spirituality are needed. Where there is no knowledge, there will be backwardness, ignorance and, of course, error. As the sages of the East said, "The greatest wealth is intelligence and knowledge, the greatest inheritance is a good education, and the greatest poverty is ignorance"! Therefore, for all of us, acquiring modern knowledge, becoming the owner of true enlightenment and high culture should become a continuous vital need. [1]

Currently, special attention is paid to relying on the original national values in the education system, and it is becoming a priority to approach the formation of human spirituality as a primary task. In primary education, which is the main link of continuous education, special attention is paid to the formation of students' general cultural and moral skills, and initial literacy skills. [2]

All textbooks are being updated over the years. In particular, mathematics, mother tongue and reading literacy and other science books for elementary grades were published in a completely new look and modernized. Reprinted based on the education system of Singapore and Finland. In particular, the examples and problems in the mathematics textbooks are adapted to students' independent work of examples and more application in practice. In addition, the issues are written in children's language. The words are not difficult for students.

Tales, which are a special educational tool for elementary school students in teaching mathematics, are very interesting and interesting for elementary school students. We know that a fairy tale comes into the world as a product of human fantasy and inner experiences. It is noteworthy that they always have the priority of humanity, love for the country, hard work,



honesty, and the feelings of honesty, and every fairy tale ends with the victory of good over evil. Our opinion is confirmed by the phrase "Thus he reached his goal" at the end of almost every fairy tale. [3]

Integrating stories and math for elementary students is an effective way to analyze, teach students math concepts in a clear and engaging way. This approach helps to present mathematics in a non-traditional way, which makes the acquisition of mathematical knowledge more accessible and interesting for children. Math problems can often be dry and abstract, but through stories, these problems become engaging and clear, motivating students not only to read, but also to solve math problems. Basically, figures, actions, geometric figures of this type are the main characters. And students may be required to complete the fairy tale well and create all kinds of heroic deeds by performing the actions correctly.

Fairy tales develop students' imagination and creative thinking while teaching mathematical concepts. For example, in the fairy tale "The Enchanted Forest", children can count the trees in that forest, determine the number of animals near them, or even work on different shapes and problems related to them. This means more "real" math for students, as they do math through their intuition. Thus, connecting mathematical problems with life events increases children's concentration and interest in the subject.

Integrating math with stories also develops students' logical thinking. Fairy tales have many logical chains: cause-and-effect relationships, sequences of events, and problem-solving processes. Children can also find these elements in mathematics [4]. For example, a character in a story may encounter a problem and use various mathematical methods to solve it. This approach helps children understand mathematics as a process of logical thinking, not just calculations.

Integrating math with stories also helps develop children's imagination and creativity. By connecting story characters to mathematical shapes, students use imagination and creativity to learn creative approaches to problem solving. For example, children can feel like characters in a fairy tale, which allows them to approach problems more creatively. In addition, it is possible to make it the task of the student to continue the rest of the story, and to give as a task what the result and solution will be. Problem 1: Karim, Rahim, and Salim bought three portions of ice cream with one portion each. The ice creams were fruity, creamy and chocolatey. But three portions of ice cream did not satisfy the ulama and Karim got another portion of fruit ice cream, Rahim got cream ice cream and Salim got chocolate ice cream. When they settled with the seller on the way, Karim paid 700 soums, Rahim 800 soums and Salim 900 soums. How much does each serving of ice cream cost? [5]

Another benefit of integrating math and storytelling is that it develops students' teamwork skills. Working in groups based on fairy tales strengthens cooperation among children. For example, students can work in groups to solve a story problem, which not only improves math skills, but also develops teamwork, brainstorming, and collaborative problem-solving skills. Problem 2: A five-person construction crew earns 178,000 soums for each hour worked. If the working day is 8 hours, how many soums does each builder get?



In conclusion, integrating mathematics with stories in primary grades not only teaches children mathematics, but also develops their creative thinking, logical approach and teamwork skills. This approach helps to engage children in learning mathematics in a more interesting and effective way.

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