
The Role of Mental Arithmetic in the Development of Child Mental Activity

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Annotation: This article is on the role of mental arithmetic in preschool education, the impact of mental arithmetic on the child's consciousness and its useful properties.

Keywords: the role of mental arithmetic, education, training, development, system of preschool education, improve the skills of teachers, analytical, didactic materials.

Many changes are taking place in the system of preschool education in the Republic of Uzbekistan. Many decisions and decrees are also signed by our President in this regard. One of them is in the pursuit of improving the system of preschool education.

Sh.M.Mirziyoyev, " Preschool education is the very first unit of the educational system and ensuring the continuity of the education system is a very important issue"

Today, there are many reforms in this regard. For example: to improve the skills of teachers in the system of preschool education. To expand the type and quality of didactic materials in preschool educational system. Improving the teaching of mental arithmetic, English and Russian in preschool education.

Today we will talk about the useful features of mental arithmetic, its impact on the consciousness of the child, the skill of educators in this direction.

What kind of science is mental arithmetic itself? Mental arithmetic is a high-quality program that teaches you how to quickly calculate mathematical action in the brain. Mental arithmetic contributes to the same development of both parts of the brain hemispheres. In mental arithmetic exercises, children often use the help of their fingers more often. There are many useful aspects to this. Children from a young age practice finger tips. How do you say? The fact that the child can crawl, hold things, play toys is also an elementary exercise for the child. When the child is crawling, his fingers are in active motion, through which the tiny maturation good develops in him. Through this, the capillary maturation develops well. The development of speech is inextricably linked with motor skills. Doctors say that the management of the tip of the finger and its movement is associated with parts of the brain that are responsible for the defect. In recent years, a lot of attention has been paid to hand and foot movements, mainly to hand movements. Exercises on the fingertips stimulate the work of the brain well. Therefore among children who learned to play scrip or piano early, there are many wise. Mental arithmetic is also among such classes. Because in mental arithmetic, too, the fingertips work a lot, which contributes to the good functioning of the brain, the growth of mental activity. The section of our brain that controls the muscles of the hands and face is much larger than the other sections that respond to body movements. From this we can also find out how great the importance of tiny motorism in children is.

Mental arithmetic is a thinking arithmetic. Children develop different creative abilities in themselves through calculations. Mental arithmetic lessons for children are conducted in the period from 4 to 16 years. Today, mental arithmetic classes are used in fifty-two countries of the world. Mental arithmetic helps to make the right and left hemispheres in children work simultaneously.

Mental arithmetic helps in rounding up a number of aspects in children.

1. Improves creative thinking skills.
2. Develop memory, thinking, logic and intelligence.
3. Motivate the child to think creatively.
4. It arouses the child's interest in acquiring new knowledge and skills.

Mathematical exercises in mental arithmetic lessons can be replaced by interesting dances, games and poems. In this exercise, exercises for imagination, intuition and communication are also performed.

Mental arithmetic classes are conducted at 12 level. Each level is passed in less than 4 months. Classes for children will be 2 times a week. In a year and a half, children will be able to carry out calculations with four or five-digit numbers.

Classes are carried out with the help of an auxiliary tool called Abacus. First, children learn to work with Abacus.

Useful properties of Mental arithmetic include the following.

1. The child quickly learns to calculate.
2. In children, the left hemisphere develops.
3. Children can use it more easily in training.
4. Develop the ability to succeed in many things in children.

At the same time, there are also disadvantages of mental arithmetic.

- children make many mistakes in rushing to classes
- Specific examples are difficult to conceive. Children have difficulty thinking.

But many parents also want their children to have mental arithmetic in their classes. Children's memory in these lessons will be stronger. They can easily memorize poems and songs in other languages.

Many scientists in this area have conducted their own research.

1. M. Vorontsova "Mathematical genius: the technique of election-before the walk". In this game the advantages and disadvantages of this method are described.
2. B. Arthur. Sh. Maykl. "Magic of numbers. Mental calculation in the mind and other mathematical ideas." Simple ideas are described in this game. With them, it is possible to perform a number of operations.
3. A. Benjamin "The Mystery of Mathematics, rational mathematics". The mind explains the essence of arithmetic.

All these works allow us to have a broad idea of mental arithmetic.

In conclusion, mental arithmetic is useful for the good development of the child's mind and the formation of mathematical imagination. Every parent wants the fullness of his or her child. And in this children are helped by mental arithmetic. He formulated memory, mathematical imagination and agility in children with his useful qualities. And the introduction of mental arithmetic in preschool institutions is our achievement. Mental arithmetic also serves as a good tool for children preparing for school. Children engaged in mental arithmetic work both hemispheres of the brain in children as a result of their work on both hands, drawing calculations. This exercise will be a good benefit for children who have difficulty mastering. This will help them increase their interest, confidence and knowledge in life. At present, children of our country occupy high places in competition among many children in the field of mental arithmetic.

Adaptations:

1. Preschool pedagogy. F. Sarkisian, Sh. Toshpolatova, N. Kayumova, M. Azimova. "Thinking Nashiryoti" Tashkent, 2019.

2. Ashirova O'g'iloy " The importance of early education in the mental development of bolls" Journal of New Century Innavations.2022
3. The Book of a Young Father and Mother. "Editor's Publication" Tashkent, 2018.
4. Ashirova O'g'iloy,Mavlonova Sitorabonu "The role of early education,Finnee Mechanics and mental arithmetic and raising the intelligence activity of children and developing their independence".Science and educations in XXI century.2022.
5. Ashirova O'g'iloy Abduvali qizi,Mavlonova Sitorabonu Alisher qizi. "The importance of breastfeeding in children of early age". International Conference by name " International Conference on Learning and teaching.2022/1.
6. I A.Karimov" High spirituality is an invincible force".
7. <http://www.google.uz/maktabgacha-Education/>