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## Guide to Learning Basic Mathematics Easy And Fun For Children

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### ABSTRACT

Mathematics for some people is a subject that is not liked because they think that learning mathematics is difficult and boring. Therefore, it becomes a challenge to provide solutions and change other people's views about learning boring mathematics into fun. The method used in this service is guidance and assistance in learning mathematics which is easy and fun. Learning mathematics through the play method is one of the creative solutions in learning mathematics. Through the play method, learning mathematics will be fun and interesting. In the learning process this will greatly make children have a stronger memory than children who learn only by reading and listening. The target of this service is the children of Bungae Hamlet, Biji Nangka Village, Sinjai Borong District as many as 20 people. The results of community service with easy and fun basic mathematics tutoring activities in Bungae Hamlet, Biji Nangka Village, Sinjai Borong District, namely children who were initially only fluent in memorizing multiplications of 1 to 4 have increased to multiplication of 7 and even 9. not fluent in reciting multiplication eventually became fluent after applying the quick multiplication trick. Tutoring with quick multiplication tricks can help children improve their mathematical abilities even with limited time in the coaching process.

**Keyword:** *Mathematics, elementary school, tutoring*

### INTRODUCTION

Mathematics is a subject that is still considered difficult by students. Whereas, on the other hand, mathematics is an important subject in human life, mathematics plays a role in all aspects even in today's digital technology era. Mathematics today contributes directly and fundamentally to business, finance, health and defense. Students who perceive mathematics as relatively difficult and form negative impressions and experiences on general mathematics will have a negative impact on motivation to learn mathematics and school academic adjustment. Therefore, a positive attitude towards mathematics that is formed from the start is an important factor in learning success in difficult subjects.

Counting skills are one aspect of learning mathematics. Basic numeracy skills include addition, subtraction, multiplication, division, and then proceed to powers, roots, and logarithms. By mastering numeracy skills, children have the basic capital in

learning mathematics. The problem is how to teach arithmetic skills in an interesting, easy, and fun way so that it can foster motivation to learn mathematics.

Fun learning is learning where in the learning process an atmosphere is created where students are not afraid to be wrong, are not afraid to be laughed at, are not considered trivial, dare to try and dare to act, dare to ask questions and dare to express opinions and most importantly dare to question the ideas of others. By practicing fun learning, it is hoped that mathematics will no longer be a scary subject. So that students are happy and interested in learning mathematics which will have an impact on mastery and understanding of mathematical material which is the basic science for the development of science and technology. When listening to the word math, most people will feel something unpleasant. They will imagine numbers that are complicated and difficult to solve, imagine formulas that are difficult to memorize and understand.

Based on the results of observations with elementary school children in Bungae Hamlet, Biji Nangka Village, they have not been able to calculate the multiplication of 4 and 5, even those who have been in 6th grade. On the other hand, there are also children who have not been able to recognize the solution method. mixed calculations. Where it should be in the rules for solving mixed additions, namely first completing the strongest one, namely multiplication or division, however, in reality the children in the solution only follow a sequence of numbers.

To harmonize the arguments for and against against, an effort is needed that can change these arguments and give children an understanding of the rules of completion in mathematics. So, the author applies one method of learning mathematics, namely the Jarimatika method. Where the author focuses on quick multiplication tricks

## **METHOD**

The method used in this service is guidance and assistance. The stages carried out are:

- a. Starting with giving a proper understanding first about the concept of numbers, number symbols, and basic arithmetic operations, then teaching how to count with the fingers.
- b. The implementation is for 4 days. The first meeting was an introduction to Jarimatika on February 15, 2022. The second meeting, namely assistance on the addition and subtraction of 1-digit numbers to 3-digit numbers, on February 16, 2022. The third meeting, namely mentoring on multiplication and division, will be held on February 17, 2022. The third meeting, namely Evaluation, on February 18, 2022
- c. The evaluation includes giving questions using the intelligent method to determine the increase in the success of the Jarimatika method used.

## **FINDING AND DISCUSSION**

The dedication that has been carried out, especially in the field of education, namely how to teach and provide new knowledge about learning mathematics easily and quickly has been realized. With the new method that has been given to the learning process,

it has had an influence both in terms of its activity and responsiveness. The place and time of learning is also very influential for children. Therefore, the learning process that is applied is outdoor so that they can feel a new and not monotonous atmosphere, because learning can be done anywhere and anytime.



**Figure 1. Introduction to Jarimatika**



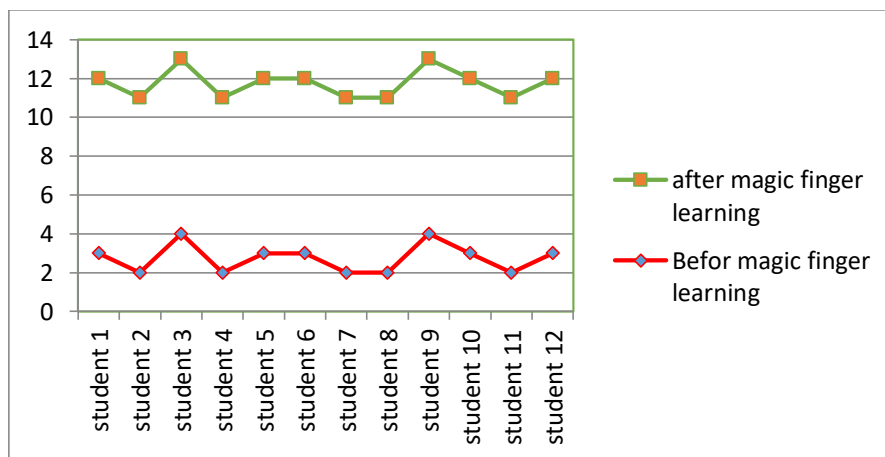
**Figure 2. Addition and subtraction**



**Figure 3. Multiplication and division**



**Figure 4. Evaluation**



**Figure 5. The results of the basic ability test of students.**

Based on graph 1, it can be seen that students gave a positive response to this program. Some students think that arithmetic is a challenging way to determine the results of basic addition, subtraction and multiplication. In addition, 90% of students think that multiplication using Jarimatika is much faster than conventional methods. This percentage gain is far from the target of 50%. Therefore, it can be concluded that the application of the Jarimatika method in performing multiplication operations is very effective.

Based on the results of the evaluation that was carried out at the end of the meeting, children who were initially only fluent in memorizing multiplication 1 to 4 had increased to multiplication 7 and even 9. The children who were initially not fluent in reciting multiplication finally became fluent after applying the multiplication trick. fast. Tutoring with quick multiplication tricks can help children improve their mathematical abilities even with limited time in the coaching process.

## CONCLUSSION

The results of community service with easy and fun basic mathematics tutoring activities in Bungae Hamlet, Biji Nangka Village, Sinjai Borong District, namely children who were initially only fluent in memorizing multiplications of 1 to 4 have increased to multiplication of 7 and even 9. not fluent in reciting multiplication eventually became fluent after applying the quick multiplication trick. Tutoring with quick multiplication tricks can help children improve their mathematical abilities even with limited time in the coaching process.

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