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PREPARING PRIMARY SCHOOL PUPILS FOR INTERNATIONAL ASSESSMENT RESEARCH

Abstract: This article deals with the issues of international assessment systems that affect the process of primary school education and the quality of education. The structure of the exercise book in solving problems is described. Examples of tests in the field of PISA and TIMSS are given.

Key words: international program, society, development, school, family, teacher, discussion, relationship.

Language: English

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Introduction

It is known that in our rapidly developing country, as in any other field, a number of innovations and research are being carried out in the field of education. New changes are also being made to the system of assessment of pupils' knowledge, skills and abilities, which has been in place for decades. In particular, since such a process is an important factor in determining the development of education, the Ministry of Public Education has taken the first steps to implement an international program to assess the knowledge of secondary school pupils. It is planned to widely use assessment programs such as PISA (Program for International Pupil Assessment), TIMSS (Trends in Mathematics and Science Study) in order to bring pupils' knowledge in line with international requirements. to assess the effectiveness of the world education system in the literacy of pupils in 3 areas (reading, mathematics and science), their creative and critical thinking, the ability to apply their knowledge in life and In short, it is about increasing the intellectual potential of the country's youth. So, of course, recognize this program as a key criterion for the further development of our country. sh is also possible. This begs the legitimate question: So, what is PISA and TIMSS?

The main part

PISA is a program that assesses the literacy of 15-year-old pupils in different countries (reading, mathematics, science) and the ability to apply their knowledge in practice. This program is held once every 3 years. To date, a total of 7 times (2000,2003, 2006.2009,2012,2015,2018) tests were conducted under the PISA program, and the next tests are scheduled for 2021. Our country is also preparing to join this program from 2021.

TIMSS is an international monitoring of the quality of teaching mathematics and science in schools, organized by the International Association for the Assessment of Educational Achievement. This study covers the knowledge of 4th and 8th grade pupils in mathematics and science in different countries. The survey is conducted every four years with the participation of the Secretariats of many research centers and organizations around the world. Advisory committees consisting of experts from different countries are also established. The first step towards international monitoring is the gradual introduction of TIMSS international monitoring in our country. Various studies are being tested as experiments, test questions are being developed. Test materials are being summarized and analyzed in cooperation with UNICEF.

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Approved by the Resolution of the Cabinet of Ministers No. 187 of April 6, 2017, the STS, curriculum and study programs are reviewed by international experts, conclusions and recommendations are obtained. In particular, the preparation for international research should be carried out from primary school. expedient.

This exercise book is designed to test and reinforce the knowledge of 4th grade pupils in mathematics and to help them prepare for PISA and TIMSS international research. TIMSS (Trends in mathematics and science study)) used open sources of research.

The exercise book is divided into sections, each theme with different tasks:

- Examples on the theme of natural numbers (4 tasks)
 - Examples on the theme of simple fractions (3 tasks)
 - Examples of numerical expressions and equations (2 tasks)
 - Problems on the representation of shapes in the plane (4 tasks)
 - Problems on points, intersections and angles (2 tasks)
 - Reading and data interpretation issues (3 assignments)
- and at the end the assignments were answered.

The 18 assignments in the notebook are easy, medium, and difficult is a logical question, test, diagram, and table. Tasks are answered numerically, verbally, and by selecting test answers. For example:

Task 1 asks a logical question: Aziza has 1,8,6,3,2, numeric cards. Which of the following cards can she use to show the smallest three-digit number? She can use each card only once. Answer: 123. The child remembers three-digit numbers when completing this task and memorizes the order in which the numbers grow when generating three-digit numbers from the required numbers and thinks logically about the exact answer.

Task 16 shows a diagram for 4th grade. Question: Ahmad conducts a survey among 4th grade pupils about their favorite colors. In which grade did pupils choose blue the least? Pupil reads the question, understands the content and pays attention to the 3 different colors in the diagram, understands the increase or decrease of the colors in the diagram by lines and determines the correct answer. Answer: The least chosen in 2nd grade.

This exercise book allows you to work with each pupil individually during math lessons.

As a logical continuation of Exercise 1, Exercises 2 and 3 were also developed and presented to pupils to assess their mathematical knowledge. The difference between Exercise 2 and Exercise 1 is that the tasks in Exercise 2 are the same. (Exercise 22) In Exercise 3, on the other hand, although the tasks are

few in number (10), each task is expressed in the form of a visual weapon, picture, diagram, diagram. given

The State Inspectorate for Quality Control in Education under the Cabinet of Ministers of the Republic of Uzbekistan and the National Center for International Research for Quality Assessment of Education have organized the 1st, 2nd , Exercise 3 “can be a great help in developing pupils’ logical thinking and thinking skills.

Based on the above examples and issues, I would also like to recommend the following assignments as an appendix.

Task 1: There are 96 seats for the audience in the Puppet Theater, which are arranged in 8 out of 12 rows. Karimjon received a ticket to enter the Puppet Theater. His place is 32 seats. How many rows does it have to go up from the bottom to find its place?

A) Row 2 B) Row 4 C) Row 3 D) Row 5 Answer (Row 3)

Task 2: Fatima and Zuhra are playing an antique game. Fatima is 10 steps ahead of Zuhra. According to the rules of the game, if Fatima takes one step, Zuhra must take two steps. ?

A) Step 5 B) Never equal C) Step 6 D) Step 10 Answer: (step 10)

Task 3: There were 14 butterflies in the first flower garden and 4 butterflies in the second flower garden. How many butterflies fly from the first flower garden to the second flower garden and the number of butterflies in both flowers is equal?

A) 4 B) 5 C) 10 D) Not equal Answer: 5

Task 4: Today is February 10, 2020. Bobur was walking in the store. Did he know which product in the store could not be purchased after the shelf life?

A) cheese (March 20, 2020) B) juice (February 8, 2021) C) yogurt (January 23, 2020) D) chocolate (May 27, 2020) Answer: Yogurt

Task 5: Using the numbers 2,7,1,0, how many different numbers greater than 10 and less than 30 consisting of two different numbers can you make?

A) 5 B) 6 C) 7 D) 8 Answer: 5

Conclusion

In conclusion, such logical questions and tables serve to further increase the intellectual potential of pupils. Every pupil is very interested in solving such problems. In my opinion, such logical, mind-boggling examples and problems that incorporate questions from the PISA and TIMSS assessment programs can only be addressed in our daily math classes.

It would be better to give it not only in 4th grade, but even in 1-2-3th grades, depending on age and thinking ability.

Timely and high-quality implementation of the above task will ensure the integration of the education system of our country into the international educational process, to identify gaps in the field and to identify new tasks. we will bring up representatives

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of a higher generation of appropriate independent thinking.

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