

## INNOVATIVE DESIGN OF PRIMARY SCHOOL MATHEMATICS HOMEWORK UNDER THE BACKGROUND OF DOUBLE REDUCTION POLICY

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### ABSTRACT

As an important part of elementary school mathematics teaching design, homework is indispensable in the learning process of primary school students. The process of completing homework is to consolidate the knowledge learned in class, deepen the impression, strengthen the understanding, apply what they have learned, and solve problems through the knowledge learned. At the same time, completing homework is also a process for primary school students to think independently and cultivate their ability to analyze and solve problems. The teacher's correction of students' homework is the process of receiving students' feedback. Through the completion of the homework, we can understand students' acceptance, understanding and application of the knowledge. However, most schools focus on classroom and teaching, and do not make specific requirements and norms for after-school homework, there are some problems in the design of after-school homework. In 2021, the government issued the "double reduction" policy, which aims to reduce students' burden and reduce their homework. This means that it is particularly important to improve the quality of homework design. Based on Bloom's educational goal taxonomy theory and the Zone of Proximal Development theory, this paper understands the current situation of primary school mathematics homework design after the "double reduction" through literature method and interview method. According to the survey results, the main problems of primary school mathematics homework are the single form of homework, lack of function, boring content and inappropriate difficulty. Based on the existing research theories and survey analysis, this paper aims to improve the function of primary school mathematics homework, enrich its content, integrate mathematical culture into primary school mathematics homework; enrich the form of homework, reasonably control the difficulty of homework, adopt the mode of stratified homework in primary school mathematics, and teach students according to their aptitude. So as to stimulate students' interest in learning, "reduce the burden" and "increase efficiency".

**Keywords:** "Double reduction"; primary school mathematics; homework optimization.