

RESEARCH ON THE APPLICATION OF MATHEMATICAL THINKING METHODS IN THE CONTEXT OF “DOUBLE REDUCTION”

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ABSTRACT

The "double reduction" policy is an educational policy proposed by the State to ensure the healthy physical and mental development of students. Its aim is to reduce the burden of homework and extra-curricular training on students, so that they can re-experience the joy of learning and achieve personal growth and all-round development. Improving classroom efficiency is an effective means of implementing the "double reduction" policy. The application of common mathematical thinking methods in teaching, such as observation and experimentation, analogy and conjecture, analysis and synthesis, abstraction and generalisation, induction and deduction, comparison and classification, specialisation and generalisation, can improve the quality of students' mathematical thinking and learning efficiency, and implement the "double reduction" policy in practice.

Keywords: Double reduction, Mathematical thinking methods, Application.