

## **Operations of classification thinking in students working on verbal tasks**

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### **Abstract**

© 2016 by iSER, International Society of Educational Research. Modern science features a contradiction in the study of classification features proper to thinking in children and adolescents, as well as a lack of knowledge about its features in educated adults). The authors have developed and tested a new experimental method for detecting the functioning of a number of logic operations classes on verbal material. The experiment involved university students majoring in mathematics (n=217 of the logic of classes as isolated, but they rarely use them as a means of solving classification problems on the verbal material. We have also found that the students use various operations with logic of classes with different degrees of success. The article can be used to assess the ability and readiness of future teachers to identify and put into practice the purposes of logical thinking formation in students.

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### **Keywords**

Classification problems, Classification thinking in adults, Mathematical education, Relations of community, The operations with logic of classes